

Ord.

2011-0357

**INTRODUCED BY: V.J. ST. PIERRE, JR., PARISH PRESIDENT
(DEPARTMENT OF WASTEWATER)**

ORDINANCE NO. 11-11-16

An ordinance approving and authorizing the execution of Change Order No. 1 for Parish Project No. S080501-6, Destrehan Regional WWTP H₂S System & Secondary Wet Well to increase the contract amount by \$49,869.00 and add 38 days to the contract time.

WHEREAS, Ordinance No. 10-12-6, adopted December 6, 2010, by the St. Charles Parish Council, approved and authorized the execution of a contract with Max Foote Construction for S080501-6 Destrehan Regional WWTP H₂S System & Secondary Wet Well in the amount of \$1,070,000.00; and,

WHEREAS, The majority of the cost associated with this change order is due to the replacement of approximately 75 ft of severely corroded 18 in force main feeding the inlet well and relocation of the inlet feed to the new secondary wet well to avoid an electrical duct bank; and,

WHEREAS, It is necessary to amend the contract revising three items resulting in an increase to the contract amount by \$49,869.00 and increasing the contract time by 38(thirty eight) days.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS,

SECTION I. To approve and authorize the execution of Change Order No. 1 for Parish Project No. S080501-6, Destrehan Regional WWTP H₂S System & Secondary Wet Well to increase the contract amount by \$49,869.00 and contract time by 38 days.

SECTION II. That the Parish President is hereby authorized to execute said Change Order on behalf of St. Charles Parish.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

YEAS: SCHEXNAYDRE, AUTHEMENT, RAYMOND, TASTET, BENEDETTO, HOGAN, COCHRAN, LAMBERT, NUSS

NAYS: NONE

ABSENT: NONE

And the ordinance was declared adopted this 21st day of November, 2011 to become effective five (5) days after publication in the Official Journal.

CHAIRMAN: *[Signature]*
SECRETARY: *[Signature]*
DLVD/PARISH PRESIDENT: November 22, 2011
APPROVED: _____ DISAPPROVED: _____
PARISH PRESIDENT: *[Signature]*
RETD/SECRETARY: November 23, 2011
AT: 9:10 Am RECD BY: *[Signature]*

RECORDED IN THE ST. CHARLES PARISH
CLERK OF COURT OFFICE
ON November 28, 2011
AS ENTRY NO. 374840
IN MORTGAGE/CONVEYANCE BOOK
NO. 1452 FOLIO 70

REFERENCE

Ord. 10-12-6

CHANGE ORDER

No. 1

DATE OF ISSUANCE

EFFECTIVE DATE

OWNER St. Charles Parish
CONTRACTOR Max Foote Construction Co., Inc
Contract: Destrehan Regional WWTP H2S System & Secondary Wet Well
Project:
OWNER's Contract No. S080501-6
ENGINEER's Contract No. 382049

ENGINEER CH2M HILL

You are directed to make the following changes in the Contract Documents:

Description:

A. Revise the Following Work Items:

- Contract Item: 2) Construction of Secondary Wet Well
Item to include additional work as follows:
a) Monorail Beam (replacement of beam with correct size)
b) Limestone Aggregate (additional charge for revised concrete mix)
c) Handrail modifications under monorail track
Cost of this additional work is \$5,635 L.S. See attached cost estimates for details.
Work removed from this item:
d) Three piles and pile cap for monorail support
Cost reduction of this change is \$5,600 L.S. See attached cost estimates for details.
- Contract Item: 3) Replacement of 20" Influent Forcemain
Item to include additional work as follows:
a) Remove and replace 18" Influent Forcemain as well as 8" and 16" pipe extensions
b) Relocation of Influent Forcemain to secondary well due to duct bank conflict
Cost of this additional work is \$47,697 L.S. See attached cost estimates for details.
- Contract Item: 4) Construction of H₂S Control System
Item to include additional work as follows:
a) Topping Slab under H₂S control system
b) Increasing base plates to 3/4"
c) Stairs to H₂S Control System
Cost of this additional work is \$4,437 L.S. See attached cost estimates for details.
Items to be changed:
d) Change painting to pipe supports to galvanizing pipe supports.
Cost reduction of this change is \$2,300 L.S. See attached cost estimates for details.

Total of changed Work Items is \$49,869.

B. Revise the Contract Time as follows:

Add a total of 38 calendar days to the contract time. The new date for substantial completion is now 11/30/2011.

Reason for Change Order:

- A. Contract Item 2) Field adjustments made due to:
a) incorrect as-built drawings
b) owner's request
c) owner provided additional information after start of construction
d) Value Engineering
- Contract Item 3) Field adjustments made due to:
a) during construction work to replace corroded 30" DI piping additional 18" DI piping upstream was identified as needing replacement (piping was severely corroded)
b) insufficient information on as-built drawings caused conflict in design documents
- Contract Item 4) Field adjustments made due to:
a) owner's request

- b) engineer's recommendation
- c) design change at owner's request
- d) Value Engineering

- B. The total contract extension of 38 days includes the following items:
- 8 days to allow for work described in this change order to be completed
 - 15 days required interruption to allow another contractor to complete work at the Influent Pump Station
 - 10 days required for acclimatization of H2S control system before performance test
 - 5 days of wet weather interruption

Attachments:

Description of Changes

Cost Estimates

Value Engineering Letters

CHANGE IN CONTRACT	
PRICE:	
Original Contract Price	\$1,070,000.00
Net Increase (Decrease) from previous Change Orders No. ___ to ___:	\$0.00
Contract Price prior to this Change Order:	\$1,070,000.00
Net increase (decrease) of this Change Order:	+\$49,869.00
Contract Price with all approved Change Orders:	\$1,119,869

CHANGE IN CONTRACT TIMES:	
Original Contract Times:	Substantial Completion: <u>10/17/2011</u> Ready for final payment: <u>45</u> (days or dates)
Net change from previous Change Orders No. ___ to No. ___:	Substantial Completion: <u>0</u> Ready for final payment: <u>0</u> (days)
Contract Times prior to this Change Order:	Substantial Completion: <u>10/17/2011</u> Ready for final payment: <u>45</u> (days or dates)
Net increase (decrease) this Change Order:	Substantial Completion: <u>38</u> Ready for final payment: <u>0</u> (days)
Contract Times with all approved Change Orders:	Substantial Completion: <u>11/24/2011</u> Ready for final payment: <u>45</u> (days or dates)

RECOMMENDED:

APPROVED

ACCEPTED:

By: [Signature]

By: [Signature]

By: [Signature]

ENGINEER (Authorized Signature)

OWNER (Authorized Signature)

CONTRACTOR (Authorized Signature)

Date: 11/03/2011

Date: 11/22/11

Date: 11/3/11

EJCDC 1910-8-B (1996 Edition)

Prepared by the Engineers Joint Contract Documents Committee and endorsed by The Associated General Contractors of America and the Construction Specifications Institute.

ATTACHMENT NO 1 - DESCRIPTION OF CHANGES

BASE BID # FOR PARISH PROJECT NO. S080501-6, Destrehan Regional WWTP H2S System & Secondary Wet Well

Item No.	Description	Unit	Unit Price	Original Contract		Change Order No. 1		Change Order No. 2		Total to Date		Increases	Decreases	Deletions	Additions
				Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost				
1	MOBILIZATION / DEMOBILIZATION	L.S.	\$70,000.00	1.00	\$70,000.00					1.00	\$70,000.00				
2	CONSTRUCTION OF SECONDARY WET WELL	L.S.	\$549,000.00	1.00	\$549,000.00	0.00	\$35.00			1.00	\$549,035.00	\$35.00			
3	REPLACEMENT OF 30" INFLUENT FORCEMAIN	L.S.	\$100,000.00	1.00	\$100,000.00	0.48	\$47,697.00			1.48	\$147,697.00	\$47,697.00			
4	CONSTRUCTION OF H2S CONTROL SYSTEM	L.S.	\$300,000.00	1.00	\$300,000.00	0.01	\$2,137.00			1.01	\$302,137.00	\$2,137.00			
5	PROJECT SIGNS AND BULLETIN BOARDS	L.S.	\$1,000.00	1.00	\$1,000.00					1.00	\$1,000.00				
6	RELOCATION OF INFRASTRUCTURE ITEMS	L.S.	\$100,000.00	1.00	\$100,000.00					1.00	\$100,000.00				
7															
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TOTALS: \$1,070,000.00 \$49,869.00 \$0.00 \$1,119,869.00 \$49,869.00 \$0.00 \$0.00 \$0.00

RESULTING COST INCREASE TO ST. CHARLES PARISH FOR BASE BID & ALTERNATES NO. 1 AND 2: \$49,869.00 4.66% of Base Bid



**MAX FOOTE
CONSTRUCTION CO., INC.**

GENERAL CONTRACTORS

November 23, 2010

To: Marc Ischen
CH2MHILL
3900 N. Causeway Blvd.
Suite 1250
Metairie, LA 70002

RECEIVED

NOV 30 2010

From: Michael Middleton
P.O. Box 1208
Mandeville, LA 70470-1208

CH2MHILL/NWO

Re: Destrehan WWTP

Marc:

Please find the itemized list below of value engineered items for the Destrehan WWTP.

- 1) Delete three (3) piles and pile cap for monorail support column and add one (1) corbel on new wet well to support monorail column. (see attachment 1)

\$5,600 – credit to owner

- 2) Delete five (5) piles under slab at new wet well discharge piping, delete one (1) concrete pipe support, change house keeping slab to a 6" slab in lieu of a 1'-4" slab and add one (1) additional corbel on the side of the wet well to support the new FRP duct. (see attachment 2)

\$8,600 – credit to owner

- 3) Delete stainless steel strapping at FRP duct supports, delete painting of the FRP duct supports and include galvanizing all FRP duct supports. (see attachment 3)

\$2,300 – credit to owner

Should you have any questions please do not hesitate to contact me.

Sincerely,

Michael Middleton
Project Manager
Max Foote Construction

POST OFFICE BOX 1208 MANDEVILLE, LOUISIANA 70470-1208 (985) 624-8569
FAX (985) 624-8580



CH2MHILL

CH2M HILL
One Lakeway
3900 N. Causeway Boulevard
Suite 1250
Metairie, LA 70002
Telephone (504) 593-9421

December 3, 2010

Michael Middleton
Max Foote Construction Co., Inc.
P.O. Box 1208
Mandeville, LA 70470-1208

Subject: Destrehan WWTP Value Engineering

Dear Mike:

We have reviewed your proposal for value engineered items at the Destrehan WWTP.

See below for our decisions regarding the proposed alterations:

- 1) Delete piles and pipe cap for monorail support.
This approach is acceptable. Drawing, signed and sealed by a structural engineer licensed in the State of Louisiana shall be prepared and submitted detailing the entire structure, including but not limited to caisson structure, number and locations of piles, bottom and top slab in plan and section view.
- 2) Delete five piles under slab and pipe support modifications.
This approach is not acceptable. The slab serves multiple purposes and the proposed approach will not properly support the discharge piping and support for the odorous air ductile iron pipe.
- 3) Delete stainless steel strapping and galvanize supports instead of painting.
This approach is acceptable. Galvanizing must conform to Section 05500, in particular Part 2.08 E.

If you have any questions, please contact me at 504-832-9514.

Sincerely,

CH2M HILL

Marc Ischen
Project Engineer

cc: Mike Stickley/CH2M HILL
Greg Schultz/ St. Charles Parish
File

Description	Quantity	Unit	Labor		Materials		Equip		Sub		Subcontractor	Comments
			Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total		
Monorail Extension	1	EA		*		3300			*		358	Construction Metals
Subtotal												

Total												3658
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Bond												
Payroll Taxes			20.00%									41
Sales Tax			9.00%									297
Miscellaneous Insurance												20

Secondary Page Subtotal												
Front Pages Subtotal												358
All Pages Total												3300

OH & P												4207
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Grand Total												4207
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Concrete Agregate Change to Limestone.xls

Total		Labor		Materials		Equip		Sub		Subcontractor		Comments		
Description	Quantity	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Minus	Ditta
Limestone Agregate	150	YDS	0.00	*	5.00	750	*	*	*	*	*	*	*	

Subtotal			Labor	Materials	750	Equip	Sub								750
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Mob				*	*	*	*	*	*	*	*	*	*		
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Bond															
Payroll Taxes					20.00%										
Sales Tax					9.00%										
Miscellaneous Insurance															

Secondary Page Subtotal			Labor	Materials	750	Equip	Sub								81
Front Pages Subtotal			Labor	Materials	750	Equip	Sub								750
All Pages Total			Labor	Materials	750	Equip	Sub								831

OH & P	124														955
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Grand Total															955
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Topping Slab.xls

Total	Labor		Materials		Equip		Sub		1663		
	410	780	410	780	410	780	410	780			
Description	Quantity	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Subcontractor Total	Minus	Comments
Bonding Agent	1	EA		*	100.00	100	*	*	*	*	
Drain Extension	1	EA		*	20.00	20	*	*	*	*	
5000 PSI Mix	4	yds		*	165.00	660	*	*	290		Ditta
Prep. Form, Place And Fin.	21	Hrs	19.50	410	*	*	*	*	*	*	
Subtotal			Labor 410	Materials 780	Equip 290	Sub 290					1480

Mob				*	*	*	*	*	*		
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Bond										20	
Payroll Taxes										82	
Sales Tax										71	
Miscellaneous Insurance										10	

Secondary Page Subtotal	Labor	Materials	Equip	Sub	183
Front Pages Subtotal	Labor 410	Materials 780	Equip 290	Sub 290	1480
All Pages Total	Labor 410	Materials 780	Equip 473	Sub 473	1663

OH & P	250	1913
Grand Total		1913

Total		Labor		Materials		Equip		Sub		Subcontractor		1033	
Description	Quantity	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Comments
Stairs At Bioscrubber	1	EA	0.00	*	891.00	891	*	*	*	*	*	*	
Subtotal					891	Equip		Sub					891
Mob				*	*	*	*	*	*	*	*	*	
Bond													
Payroll Taxes			20.00%									41	
Sales Tax			9.00%									81	
Miscellaneous Insurance												20	
Secondary Page Subtotal													142
Front Pages Subtotal													891
All Pages Total													1033
													OH & P
													600
													1633
													Grand Total
													1633

Base Plates On Supports.xls

Total		Labor		Materials		700		Equip		Sub		75		775	
Description	Quantity	Unit	Unit Cost	Labor Total	Materials Unit Cost	Materials Total	Equip Unit Cost	Equip Total	Sub Unit Cost	Sub Total	Subcontractor Unit Cost	Subcontractor Total	Minus	Comments	
3/4" Base Plates At Supports	1	EA	0.00	*	700.00	700			*		*				
Subtotal					700	700	Equip	Sub							
Mob				*		*			*		*				
Bond															
Payroll Taxes			20.00%												
Sales Tax			9.00%												
Miscellaneous Insurance															
Secondary Page Subtotal							Equip	Sub		75					
Front Pages Subtotal							Equip	Sub		700					
All Pages Total							Equip	Sub		775					
											OH & P	116		891	
											Grand Total			891	

Total		Labor 3600		Materials 29016		Equip 1500		Sub 3898		38014	
Description	Quantity	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Comments
Replace 30", 18" & Extend 8" and 16"	1	EA	3600.00	3600	29016.00	29016	1500.00	1500	*	*	
Subtotal		Labor	3600	Materials	29016	Equip	1500	Sub			34116

Mob				*		*		*			
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Bond										421	
Payroll Taxes										720	
Sales Tax										2747	
Miscellaneous Insurance										10	

Secondary Page Subtotal											3898
Front Pages Subtotal											34116
All Pages Total											38014

OH & P 5732 **43746**

Grand Total **43746**

24 Inch Influent Line Duct Bank Conflict.xls

Description	Quantity	Labor 640		Materials 2100		Equip 300		Sub 396		Subcontractor Total	Comments
		Unit	EA	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total		
24" Influent Duct Bank Conflict	1	EA	640.00	640	2100.00	2100	300.00	300	396	*	
Subtotal		Labor	640	Materials	2100	Equip	300	Sub			3040
Mob				*		*		*		*	
Bond											
Payroll Taxes	20.00%									35	
Sales Tax	9.00%									128	
Miscellaneous Insurance										216	
										17	
Secondary Page Subtotal		Labor	640	Materials	2100	Equip	300	Sub	396		396
Front Pages Subtotal		Labor	640	Materials	2100	Equip	300	Sub	396		3040
All Pages Total		Labor	640	Materials	2100	Equip	300	Sub	396		3436
										OH & P	515
										Grand Total	3951

Handrail Modifications At Well.xls

Total	Labor 200		Materials 100		Equip 50		Sub 61		Subcontractor	Comments
	Unit	LS	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total		
Handrail Modifications At Well	100		0.00	200	0.00	100	0.00	50	*	
Subtotal										350
Mob				*		*		*		
Bond										
Payroll Taxes			20.00%							5
Sales Tax			9.00%							40
Miscellaneous Insurance										14
										2
Secondary Page Subtotal										61
Front Pages Subtotal										350
All Pages Total										411
										OH & P 62
										473
										Grand Total 473