

CITY OF BILOXI
AGENDA ITEM
FACT SHEET

Item No.: 5^K

Council Meeting Date: 06/02/15

ITEM TITLE: RESOLUTION

INTRODUCED BY: MAYOR ANDREW "FO FO" GILICH

CONTACT PERSON/TELEPHONE: CAO David Nichols ext. 6314
Director Dan Gaillet ext. 6271
Damon Torricelli City Engineer ext. 6269

SUMMARY EXPLANATION: Resolution to accept and execute Change Order No. 17, in the amount of \$17, 009.20, to the contract with W.G. Yates & Sons Construction, Inc. for Project No. 978, Caillavet Park Baseball Stadium – Package 3 – General Works.

Resolution X Ordinance Public Hearing Routine Agenda

Exhibits for Review

Contract X Minutes Plans/Maps Deed Lease

Other (Specify): Letter of Recommendation, Exhibit "A"

Submittal Authorization: Council President Mayor X

STAFF RECOMMENDATION:

Staff Recommends Approval

COUNCIL ACTION: Motion By: Second By:

Vote: Councilmember Yes No Other Councilmember Yes No Other

Lawrence	<u> </u>	<u> </u>	<u> </u>
Gines	<u> </u>	<u> </u>	<u> </u>
Newman	<u> </u>	<u> </u>	<u> </u>
Deming	<u> </u>	<u> </u>	<u> </u>

Tisdale	<u> </u>	<u> </u>	<u> </u>
Glavan	<u> </u>	<u> </u>	<u> </u>
Fayard	<u> </u>	<u> </u>	<u> </u>

ACTION TAKEN:

tt/060215 LCP

RESOLUTION NO.

WHEREAS, on July 16, 2014 a contract was awarded to W.G. Yates & Sons Construction, Inc. for Project No. 978, Caillavet Park Baseball Stadium – Package 3 – General Works; and

WHEREAS, it is the recommendation of Dan Gaillet, Director of Public Works, and Damon Torricelli, City Engineer, to approve Change Order No. 17, which includes the com lines for Beau Rivage Resorts from parking garage to engineering building in the amount of \$17,009.20; and

WHEREAS, the net increase of this changes order is \$17, 009.20 for a revised contract amount of \$30,148,872.62; and

WHEREAS, no additional days are to be added to the contract; and

WHEREAS, therefore the contract completion date remains August 4, 2015; and

WHEREAS, the Beau Rivage or MGM will be funding this expense; and

WHEREAS, the City of Biloxi has received this funding from the Beau Rivage or MGM; and

WHEREAS, it is necessary to amend the 2014-2015 FY Municipal Capital Projects Budget to include an increase in the project budget for Project No. 978, Caillavet Park Baseball Stadium – Package 3 – General Works, in the amount of \$17,010.00, to fund said change order by accepting the funding from the Beau Rivage or MGM; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BILOXI, MISSISSIPPI, THAT:

SECTION ONE: The findings, conclusions, and statements of fact contained in the foregoing preamble are hereby adopted, ratified, and incorporated herein.

SECTION TWO: The Mayor and/or Municipal Clerk be and are hereby authorized to accept and execute Change Order No. 17, in the amount of \$17, 009.20, attached hereto as Exhibit “A”, to the contract with W.G. Yates & Sons Construction, Inc. for Project No. 978, Caillavet Park Baseball

Stadium – Package 3 – General Works.

SECTION THREE: The amendment of the 2014-2015 FY Municipal Capital Projects Budget, in the amount of \$17,010.00, to accept the funding from the Beau Rivage or MGM to cover the necessary increase in Project No. 978, Caillavet Park Baseball Stadium – Package 3 – General Works, for Change Order No. 16 be and is hereby authorized.



Public Works Department
Dan Gaillet, P.E., Director

MEMORANDUM

TO: DAVID NICHOLS
CAO

FROM: DAN GAILLET, P.E. *DL*
PUBLIC WORKS DIRECTOR

DAMON TORRICELLI, P.E. *DT*
CITY ENGINEER

RE: BILOXI BASEBALL STADIUM
CAILLAVET PARK
PROJECT NO. 978

DATE: MAY 29, 2015

Attached and submitted for approval is Change Order Number Seventeen (17) for the aforementioned project that has been executed by the project architect, Dale Partners Architects P.A., and the contractor, W.G. Yates & Sons Construction. This change order includes the com lines for Beau Rivage Resorts from parking garage to engineering building in the amount of \$17,009.20. The net increase of this change order is \$17,009.20 for a revised contract amount of \$30,148,872.62. No additional days are to be added to the contract; therefore the contract completion date remains August 4, 2015. The Beau Rivage or MGM will be funding this expense; the City of Biloxi has already received this funding.

Based on the recommendation of the Dale Partners Architects P.A., please have the documents prepared for Council approval at your earliest convenience. Dale Partners requests one original signed change order is returned to their office. If you have any questions or comments, please call.

DG/DT/klh

Attachments

cc: Mayor Gilich
Trilby Trahan, Contracts
File

780 Esters Blvd.,
P. O. Box 429
Biloxi, MS 39533
228-435-6271
Fax: 228-435-6179

Visit online at
biloxi.ms.us



AIA Document G701™ – 2001

Change Order

PROJECT (Name and address):	CHANGE ORDER NUMBER: 017	OWNER: ☒
12080 Caillavet Park Package 3: General Works	DATE: May 26, 2015	ARCHITECT: ☒
Corner of Caillavet Park and Highway 90, Biloxi, MS		CONTRACTOR: ☒
TO CONTRACTOR (Name and address):	ARCHITECT'S PROJECT NUMBER: 12080	FIELD: ☐
W. G. Yates & Sons Construction Company	CONTRACT DATE: July 22, 2014	OTHER: ☐
115 Main Street	CONTRACT FOR: General Construction	
Biloxi, Mississippi 39530		

THE CONTRACT IS CHANGED AS FOLLOWS:

(Include, where applicable, any undisputed amount attributable to previously executed Construction Change Directives)

ITEM 1: IOCC #56 - BEAU RIVAGE COMM LINES - ITEM TO BE FUNDED BY MGM

Per direction of the City, accept changes per W.G. Yates IOCC #56 submitted 3/26/15.

TOTAL Amount to ADD to the Contract

\$ 17,009.20

The original Contract Sum was	\$ 29,077,250.00
The net change by previously authorized Change Orders	\$ 1,054,613.42
The Contract Sum prior to this Change Order was	\$ 30,131,863.42
The Contract Sum will be increased by this Change Order in the amount of	\$ 17,009.20
The new Contract Sum including this Change Order will be	\$ 30,148,872.62

The Contract Time will be increased by Zero (0) days.

The date of Substantial Completion as of the date of this Change Order therefore is August 4, 2015. **WORK TO BE COMPLETED AFTER SUBSTANTIAL COMPLETION DATE.**

NOTE: This Change Order does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Dale Partners Architects P.A.

W. G. Yates & Sons Construction Company

City of Biloxi

ARCHITECT (Firm name)

CONTRACTOR (Firm name)

OWNER (Firm name)

161 Lameuse Street, Biloxi, Mississippi 39530

115 Main Street, Biloxi, Mississippi 39530

140 Lamuese Street, Biloxi, Mississippi 39530

ADDRESS

ADDRESS

ADDRESS

BY (Signature)

BY (Signature)

BY (Signature)

Leigh G. Jaunsen, AIA, LEED AP BD+C

Jason Wold, Project Manager

Mayor Andrew Gilich

(Typed name)

(Typed name)

(Typed name)

5.23.15

5.28.15

DATE

DATE

DATE

EXHIBIT "A"

March 26, 2015

ITEM OF CHANGE/CLARIFICATION

W G YATES & SONS CONSTRUCTION

DALE PARTNERS

PROJECT:		Caillavet Park Baseball Stadium		IOCC #		56	
DATE:		3/26/2015					
REF DRAWING #/ SPEC# :		Beau Rivage Comm Lines					
BRIEF DESCRIPTION OF CHANGE:		Conduit and Fiber Optic for Beau Rivage A/V Fiber					
TOTAL COST ESTIMATE:		\$17,009.20					
IS PRICING REQUIRED DUE TO CHANGE?		No					
AFFECTED TRADES:		Electrical					
IS SCHEDULE AFFECTED?		Yes		IF YES, BY HOW MUCH?		TBD - To be completed after contract work is completed.	
WHAT CAUSED CHANGE?		Beau Request					
DETAILED DESCRIPTION OF CHANGE:		This pricing includes: Conduit, Fittings, Pull Boxes, Fiber, other Miscellaneous Materials, and Subcontractor Costs necessary to facilitate the installation of the Installation of the Conduit and Fiber Necessary to allow the Beau Rivage to tie the Stadium to the Engineering Building and the Parking Garage, Including, but not limited to: 1. 2" conduit from the Sound Booth Equipment Rack to CR22, in the Engineering Building. 2. 2" Conduit from the Sound Booth to the Existing Quazite Box at the Northwest corner of the site. 3. 12-Strand MM Fiber from the Sound Booth to CR22. 4. 12-Strand Fiber from the Sound Booth to the CR in the New Parking Garage. Note: Fiber to be installed in the Existing 4" Underground Conduit and innerduct, from the Northwest Corner to the Southwest Corner of the site. (This is the raceway installed for the Beau Rivage, prior to the start of Ball Park Construction.					
OWNER		print name		Signature:		Date:	
copies to:		IOC file					
owner		owner					

Caillavet Park IOCC #56 Pricing				
Description	Units	UOM	Unit Cost	Total
Conduit and Fiber Optic for Beau Rivage A/V Fiber	1	LS	\$ 13,988.58	\$ 13,988.58
General Conditions	4	HR	\$ 60.00	\$ 240.00
				\$ -
				\$ -
Overhead			5%	\$ 711.43
Profit			10%	\$ 1,494.00
GRT			Beau Rivage Cor	\$ 575.19
				\$ -
				\$ -
				\$ -
				\$ -
			SUBTOTAL:	\$ 17,009.20

MGM PARK
WCPR-25
Electrical Additions
3/23/2015

MATERIAL	UNITS	PER UNIT	TOTAL						
MISC MATERIAL			\$	1,490.02					
POWER EQUIPMENT			\$	-					
LIGHTING FIXTURES		\$ -	\$	-					
GENERATOR			\$	-					
			\$	-					
TOTAL			\$	1,490.02	\$	1,490.02	0%	\$	- \$ 1,490.02
LABOR									
ELECTRICIANS	63.94	24.32	\$	1,555.02					
FORMAN	6	17	\$	108.70					
SUPERINTENDENT	3	25	\$	79.93					
PROJECT MANAGER	3	50	\$	159.85					
SEC/ ACCOUNTING	2	15	\$	23.98					
FIELD ENGINEER	0	18	\$	-					
MATERIAL HANDLER	0	15	\$	-					
SAFETY DIRECTOR	2	18	\$	28.77					
SUBTOTAL			\$	1,956.24					
BURDEN	\$ 1,956.24	27.40%	\$	536.01					
SUBTOTAL			\$	2,492.26					
LODGING	6	7.5	\$	47.96					
TOTAL			\$	2,540.21	\$	2,540.21	0%	\$	- \$ 2,540.21
SUBCONTRACTORS									
Maze (1450' of 12-Strand Fiber)			\$	8,000.00					
			\$	-					
			\$	-					
			\$	-					
			\$	-					
			\$	-					
			\$	-					
			\$	-					
			\$	-					
TOTAL			\$	8,000.00	\$	8,000.00	0%	\$	- \$ 8,000.00
EXPENSES									
	0	250	\$	-					
OFFICE TRAILER	0	250	\$	-					
OFFICE EQUIPMENT	0	150	\$	-					
OFFICE SUPPLIES	0	80	\$	-					
UTILITIES	0	400	\$	-					
RENTAL- 80 LIFTS 2 X 4	0	2100	\$	-					
RENTAL- 24 LIFTS 6 X 6	0	480	\$	-					
RENTAL SITE TRUCK/ TRANSPORT	0	500	\$	-					
RENTAL LULL	0	2100	\$	-					
RENTAL CRANE	0	2500	\$	-					
EQUIPMENT FUEL	0	400	\$	-					
SMALL TOOLS	1	125	\$	125.00					
TEMPORARY CONSTRUCTION	0	500	\$	-					
TEMPORARY POWER	0	0	\$	-					
TOTAL			\$	125.00	\$	125.00	0%	\$	- \$ 125.00
TAX ON EQ. RENTAL/small tools	\$ 125.00	7%	\$	8.75	\$	8.75	0%	\$	- \$ 8.75
SUBTOTAL			\$	12,163.98				\$	12,163.98
MARKUP	15%		\$	1,824.60				\$	1,824.60
CONTINGENCY			\$	-				\$	-
TOTAL QUOTE			\$	13,988.58			\$	-	\$ 13,988.58
MS TAX	0.00%		\$	-				\$	-
SUBTOTAL			\$	13,988.58				\$	13,988.58
BOND	0%		\$	-				\$	-
GRAND TOTAL			\$	13,988.58				\$	13,988.58

TOTAL SHEET DESCRIPTION	LABOR TOTAL	MATERIAL TOTAL
POWER EQUIPMENT	0	\$ -
FIXTURES	0	\$ -
DEVICES	0	\$ -
CONDUIT	12.88	\$ 178.80
FITTINGS	0	\$ 0.00
PVC	16.96	\$ 522.84
EMT	26.4	\$ 434.08
FLEX	0	\$ -
WIRE/ CABLE	0	\$ -
GROUNDING/ MISC	0	\$ -
BOXES	7.7	\$ 354.30
FIRE ALARM SYSTEM	0	\$ -
DEMO/ TEMPORARY	0	\$ -
BUDGET ADDITION*	0	\$ -
TOTAL	63.94	\$ 1,490.02

POWER EQUIPMENT DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL
	0 EA		120		0 \$	- \$
					0 \$	- \$
	0 EA		20		0 \$	- \$
	0 EA		20		0 \$	- \$
	0 EA		20		0 \$	- \$
	0		0		0 \$	- \$
	0 EA		18		0 \$	- \$
	0 EA		18		0 \$	- \$
	0 EA		18		0 \$	- \$
	0		0		0 \$	- \$
	0 EA		18		0 \$	- \$
	0 EA		18		0 \$	- \$
	0 EA		18		0 \$	- \$
	0 EA		18		0 \$	- \$
	0		0		0 \$	- \$
	0 EA		20		0 \$	- \$
	0 EA		18		0 \$	- \$
	0		0		0 \$	- \$
	0 EA		10		0 \$	- \$
	0 EA		14		0 \$	- \$
	0 EA		18		0 \$	- \$
	0		0		0 \$	- \$
	0 EA		1		0 \$	- \$
	0 EA		2		0 \$	- \$
	0 EA		5		0 \$	- \$
	0		0		0 \$	- \$
	0 EA		0.3		0 \$	- \$
	0 EA		0.35		0 \$	- \$
	0 EA		0.5		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
	0		0		0 \$	- \$
TOTAL					0	\$

LIGHTING FIXTURES
DESCRIPTION
FIXTURE TYPE***

[illegible]

ITEM 1

	0	0	0	\$	-
	0	0	0	\$	-
	0	0	0	\$	-
	0	0	0	\$	-
	0	0	0	\$	-
	0	0	0	\$	-
	0	0	0	\$	-
	0	0	0	\$	-
TOTAL			0	\$	-

DEVICES	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL
DUPLEX RECEPT		EA	0.2		0 \$	1.20 \$
SINGLE RECEPT		EA	0.25		0 \$	12.00 \$
DUPLEX RECEPT- EMERG.		EA	0		0 \$	- \$
DUPLEX RECEPT- SAFETY TYPE		EA	0		0 \$	- \$
DUPLEX GFI RECEPTACLE		EA	0.25		0 \$	12.00 \$
		EA	0		0 \$	- \$
SINGLE POLE SWITCH		EA	0.18		0 \$	9.50 \$
3 WAY SWITCH		EA	0.25		0 \$	12.60 \$
4 WAY SWITCH		EA	0.3		0 \$	18.00 \$
600 WATT DIMMER		EA	0.5		0 \$	30.00 \$
		EA	0		0 \$	- \$
SINGLE POLE KEY SWITCH		EA	0.2		0 \$	14.00 \$
3 WAY KEY SWITCH		EA	0.3		0 \$	18.00 \$
4 WAY KEY SWITCH		EA	0.35		0 \$	25.00 \$
		EA	0		0 \$	- \$
I GNG SWITCH COVER		EA	0.07		0 \$	1.90 \$
2 GNG SWITCH COVER		EA	0.09		0 \$	2.50 \$
3 GNG SWITCH COVER		EA	0.12		0 \$	3.80 \$
		EA			0	\$
1 GNG DUPLEX RECEPT COVER		EA	0.07		0 \$	1.50 \$
2 GNG DUPLEX RECEPT COVER		EA	0.09		0 \$	2.20 \$
		EA			0	\$
		EA			0	\$
I GNG GFI RECEPCT COVER		EA	0.06		0 \$	13.00 \$
		EA			0	\$
120V MOTOR RATED SWITCHES		EA	0.4		0 \$	9.80 \$
		EA			0	\$
CORD REELS 120 VOLT		EA	4		0 \$	165.00 \$
		EA			0	\$
Ambient Air & other Temperature Sensor		EA	1.5		0 \$	10.00 \$
		EA			0	\$
Electric Water Level Controller		EA	1		0 \$	5.00 \$
Make-up Water Solenoid		EA	1		0 \$	5.00 \$
		EA			0	\$
		EA			0	\$
		EA			0	\$
		EA			0	\$
		EA			0	\$
		EA			0	\$
		EA			0	\$
		EA			0	\$
		EA			0	\$
TOTALS					0	\$

CONDUIT DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL	
GALV. RIGID CONDUIT		FT	0		0 \$	- \$	-
1/2"		FT	0.06		0 \$	1.18 \$	-
3/4"		FT	0.07		0 \$	1.48 \$	-
1"		FT	0.09		0 \$	2.36 \$	-
1 1/4"		FT	0.12		0 \$	3.18 \$	-
1 1/2"		FT	0.14		0 \$	3.71 \$	-
2"		FT	0.16		0 \$	4.71 \$	-
2 1/2"		FT	0.18		0 \$	8.79 \$	-
3"		FT	0.24		0 \$	10.57 \$	-
3 1/2"		FT	0.28		0 \$	12.74 \$	-
4"		FT	0.32		0 \$	14.22 \$	-
			0		0 \$	- \$	-
HUBS		EA	0		0 \$	- \$	-
1/2"		EA	0.5		0 \$	2.98 \$	-
3/4"		EA	0.5		0 \$	3.54 \$	-
1"		EA	0.75		0 \$	3.91 \$	-
1 1/4"		EA	1		0 \$	5.40 \$	-
1 1/2"		EA	1		0 \$	5.90 \$	-
2"		EA	1.2		0 \$	6.28 \$	-
2 1/2"		EA	1.4		0 \$	14.00 \$	-
3"		EA	1.8		0 \$	18.20 \$	-
3 1/2"		EA	1.8		0 \$	20.07 \$	-
4"		EA	2		0 \$	32.50 \$	-
					0	\$	-
SUPPORTS					0	\$	-
1/2"		EA	0.12		0 \$	0.82 \$	-
3/4"		EA	0.15		0 \$	0.85 \$	-
1"		EA	0.2		0 \$	0.94 \$	-
1 1/4"		EA	0.25		0 \$	1.05 \$	-
1 1/2"		EA	0.3		0 \$	1.19 \$	-
2"		EA	0.3		0 \$	1.71 \$	-
2 1/2"		EA	0.35		0 \$	1.98 \$	-
3"		EA	0.35		0 \$	2.28 \$	-
3 1/2"		EA	0.35		0 \$	2.86 \$	-
4"		EA	0.4		0 \$	3.10 \$	-
					0	\$	-
CONDULETS					0	\$	-
1/2"		EA	0.15		0 \$	3.56 \$	-
3/4"		EA	0.2		0 \$	4.08 \$	-
1"		EA	0.22		0 \$	5.62 \$	-
1 1/4"		EA	0.32		0 \$	10.40 \$	-
1 1/2"		EA	0.38		0 \$	11.68 \$	-
2"	2	EA	0.44		0.88 \$	19.40 \$	38.80
2 1/2"		EA	0.48		0 \$	40.05 \$	-
3"		EA	1		0 \$	52.18 \$	-
3 1/2"		EA	1.2		0 \$	76.27 \$	-
4"		EA	2		0 \$	85.54 \$	-
					0	\$	-
ELBOWS					0	\$	-
1 1/4"		EA	1.5		0 \$	14.00 \$	-
1 1/2"		EA	2.5		0 \$	21.00 \$	-
2"	4	EA	3		12 \$	35.00 \$	140.00
2 1/2"		EA	3.5		0 \$	54.00 \$	-
3"		EA	4		0 \$	62.00 \$	-
3 1/2"		EA	4.5		0 \$	74.00 \$	-
4"		EA	5		0 \$	88.00 \$	-
5"							
TOTAL					12.88	\$	178.80
MULTIPLIER						1.00 \$	178.80

FITTINGS DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL
LOCKNUTS						
3/4"		EA	0	0	\$0.20	\$0.00
1"		EA	0	0	\$0.35	\$0.00
1 1/4"		EA	0	0	\$0.45	\$0.00
1 1/2"		EA	0	0	\$0.64	\$0.00
2"		EA	0	0	\$0.98	\$0.00
2 1/2"		EA	0	0	\$1.80	\$0.00
3"		EA	0	0	\$3.30	\$0.00
3 1/2"		EA	0	0	\$5.46	\$0.00
4"		EA	0	0	\$6.44	\$0.00
BOND BUSHINGS			0	0	0	\$0.00
3/4"		EA	0.315	0	\$4.52	\$0.00
1"		EA	0.35	0	\$5.14	\$0.00
1 1/4"		EA	0.42	0	\$7.21	\$0.00
1 1/2"		EA	0.56	0	\$7.91	\$0.00
2"		EA	0.7	0	\$9.69	\$0.00
2 1/2"		EA	0.2	0	\$13.40	\$0.00
3"		EA	0.5	0	\$18.90	\$0.00
3 1/2"		EA	1.12	0	\$24.49	\$0.00
4"		EA	1.33	0	\$32.53	\$0.00
PLASTIC BUSHINGS			0	0	\$0.00	\$0.00
3/4"		EA	0.245	0	\$0.22	\$0.00
1"		EA	0.28	0	\$0.34	\$0.00
1 1/4"		EA	0.35	0	\$0.49	\$0.00
1 1/2"		EA	0.42	0	\$0.66	\$0.00
2"		EA	0.56	0	\$1.26	\$0.00
3 1/2"		EA	0.98	0	\$3.83	\$0.00
4"		EA	1.12	0	\$4.34	\$0.00
COUPLINGS			0	0	\$0.00	\$0.00
3/4"		EA	0	0	\$1.12	\$0.00
1"		EA	0	0	\$1.66	\$0.00
1 1/4"		EA	0	0	\$2.07	\$0.00
2"		EA	0	0	\$3.00	\$0.00
2 1/2"		EA	0	0	\$3.80	\$0.00
3"		EA	0	0	\$5.00	\$0.00
3 1/2"		EA	0	0	\$8.50	\$0.00
4"		EA	0	0	\$14.11	\$0.00
				0		\$0.00
				0		\$0.00
				0		\$0.00
				0		\$0.00
				0		\$0.00
				0		\$0.00
				0		\$0.00
				0		\$0.00
				0		\$0.00
TOTAL				0		\$0.00

PVC CONDUIT DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL
1/2"		FT	0		0 \$	- \$
3/4"		FT	0.04		0 \$	0.32 \$
1"		FT	0.05		0 \$	0.54 \$
1 1/4"		FT	0.05		0 \$	1.20 \$
1 1/2"		FT	0.06		0 \$	1.80 \$
2"	200	FT	0.07		14 \$	2.56 \$
2 1/2"		FT	0.08		0 \$	4.11 \$
3"		FT	0.1		0 \$	4.89 \$
3 1/2"		FT	0.15		0 \$	6.28 \$
4"		FT	0.2		0 \$	8.10 \$
5"		FT	0.25		0 \$	9.96 \$
CONNECTORS		EA	0		0 \$	- \$
1/2"		EA	0.5		0 \$	0.88 \$
3/4"		EA	0.5		0 \$	1.30 \$
1"		EA	0.75		0 \$	1.80 \$
1 1/4"		EA	1		0 \$	2.00 \$
1 1/2"		EA	1		0 \$	2.50 \$
2"		EA	1.2		0 \$	3.00 \$
2 1/2"		EA	1.4		0 \$	3.50 \$
3"		EA	1.8		0 \$	3.80 \$
3 1/2"		EA	1.8		0 \$	4.90 \$
4"		EA	2		0 \$	6.00 \$
ADAPTORS					0	\$
1/2"		EA	0.12		0 \$	0.82 \$
3/4"		EA	0.15		0 \$	0.85 \$
1"		EA	0.2		0 \$	0.94 \$
1 1/4"		EA	0.25		0 \$	1.05 \$
1 1/2"		EA	0.3		0 \$	1.19 \$
2"	4	EA	0.3		1.2 \$	1.71 \$
2 1/2"		EA	0.35		0 \$	1.98 \$
3"		EA	0.35		0 \$	2.28 \$
3 1/2"		EA	0.35		0 \$	2.86 \$
4"		EA	0.4		0 \$	3.10 \$
5"		EA	0.5		0 \$	4.20 \$
COUPLINGS					0	\$
1/2"		EA	0.15		0 \$	0.18 \$
3/4"		EA	0.2		0 \$	0.22 \$
1"		EA	0.22		0 \$	0.28 \$
1 1/4"		EA	0.32		0 \$	0.34 \$
1 1/2"		EA	0.38		0 \$	0.65 \$
2"	4	EA	0.44		1.76 \$	1.00 \$
2 1/2"		EA	0.48		0 \$	1.20 \$
3"		EA	1		0 \$	2.14 \$
3 1/2"		EA	1.2		0 \$	3.00 \$
4"		EA	2		0 \$	4.20 \$
ELBOWS					0	\$
1 1/4"		EA	1.5		0 \$	14.00 \$
1 1/2"		EA	2.5		0 \$	21.00 \$
2"		EA	3		0 \$	35.00 \$
2 1/2"		EA	3.5		0 \$	54.00 \$
3"		EA	4		0 \$	62.00 \$
3 1/2"		EA	4.5		0 \$	74.00 \$
4"		EA	5		0 \$	88.00 \$
4" PVC W/ 3-1 1/4 INNER DUCT		FT	0.05		0 \$	4.90 \$

TOTAL

16.96

\$

522.84

EMT CONDUIT/ STEEL COMPRESSION DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL
EMT		FT	0		0 \$	\$ -
1/2"		FT	0.02		0 \$	\$ 0.23
3/4"		FT	0.05		0 \$	\$ 0.37
1"		FT	0.04		0 \$	\$ 0.80
1 1/4"		FT	0.05		0 \$	\$ 1.17
1 1/2"		FT	0.06		0 \$	\$ 1.45
2"	240	FT	0.07		16.8 \$	\$ 1.74
2 1/2"		FT	0.08		0 \$	\$ 2.45
3"		FT	0.1		0 \$	\$ 3.12
3 1/2"		FT	0.12		0 \$	\$ 4.10
4"		FT	0.18		0 \$	\$ 4.88
			0		0 \$	\$ -
CONNECTORS		EA	0		0 \$	\$ -
1/2"		EA	0.5		0 \$	\$ 0.22
3/4"		EA	0.13		0 \$	\$ 3.37
1"		EA	0.75		0 \$	\$ 0.61
1 1/4"		EA	1		0 \$	\$ 1.13
1 1/2"		EA	1		0 \$	\$ 1.40
2"	8	EA	1.2		9.6 \$	\$ 2.06
2 1/2"		EA	1.4		0 \$	\$ 3.45
3"		EA	1.8		0 \$	\$ 4.80
3 1/2"		EA	1.8		0 \$	\$ 6.80
4"		EA	2		0 \$	\$ 10.35
					0	\$ -
					0	\$ -
SUPPORTS						
1/2"		EA	0.12		0 \$	\$ 0.82
3/4"		EA	0.078		0 \$	\$ 2.98
1"		EA	0.2		0 \$	\$ 0.94
1 1/4"		EA	0.25		0 \$	\$ 1.05
1 1/2"		EA	0.3		0 \$	\$ 1.19
2"		EA	0.3		0 \$	\$ 1.71
2 1/2"		EA	0.35		0 \$	\$ 1.98
3"		EA	0.35		0 \$	\$ 2.28
3 1/2"		EA	0.35		0 \$	\$ 2.86
4"		EA	0.4		0 \$	\$ 3.10
					0	\$ -
					0	\$ -
COUPLINGS						
1/2"		EA	0.15		0 \$	\$ 0.27
3/4"		EA	0.09		0 \$	\$ 3.89
1"		EA	0.22		0 \$	\$ 0.56
1 1/4"		EA	0.32		0 \$	\$ 0.98
1 1/2"		EA	0.38		0 \$	\$ 1.45
2"		EA	0.44		0 \$	\$ 1.90
2 1/2"		EA	0.48		0 \$	\$ 3.00
3"		EA	1		0 \$	\$ 3.90
3 1/2"		EA	1.2		0 \$	\$ 5.88
4"		EA	2		0 \$	\$ 9.18
					0	\$ -
					0	\$ -
ELBOWS						
1 1/4"		EA	1.5		0 \$	\$ 6.50
1 1/2"		EA	2.5		0 \$	\$ 7.00
2"		EA	3		0 \$	\$ 8.50
2 1/2"		EA	3.5		0 \$	\$ 9.80
3"		EA	4		0 \$	\$ 14.00
3 1/2"		EA	4.5		0 \$	\$ 18.00
4"		EA	5		0 \$	\$ 25.00
TOTAL					26.4	\$ 434.08

MULTIPLIER

1.00 \$

434.08

FLEX DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL	
SEALTITE FLEX		FT	0		0 \$	-	\$ -
1/2"		FT	0.3		0 \$	1.18	\$ -
3/4"		FT	0.3		0 \$	2.04	\$ -
1"		FT	0.4		0 \$	3.10	\$ -
1 1/4"		FT	0.45		0 \$	4.22	\$ -
1 1/2"		FT	1		0 \$	5.74	\$ -
2"		FT	0		0 \$	-	\$ -
2 1/2"		FT	0		0 \$	-	\$ -
3"		FT	0		0 \$	-	\$ -
3 1/2"		FT	0		0 \$	-	\$ -
4"		FT	0		0 \$	-	\$ -
			0		0 \$	-	\$ -
CONNECTORS		EA	0		0 \$	-	\$ -
1/2"		EA	0.5		0 \$	4.80	\$ -
3/4"		EA	0.5		0 \$	7.26	\$ -
1"		EA	0.75		0 \$	13.74	\$ -
1 1/4"		EA	1		0 \$	21.11	\$ -
1 1/2"		EA	1		0 \$	24.62	\$ -
2"		EA	1.2		0 \$	-	\$ -
2 1/2"		EA	1.4		0 \$	-	\$ -
3"		EA	1.8		0 \$	-	\$ -
3 1/2"		EA	1.8		0 \$	-	\$ -
4"		EA	2		0 \$	-	\$ -
					0		\$ -
					0		\$ -
STEEL FLEX					0		\$ -
1/2"		FT	0.02		0 \$	0.63	\$ -
3/4"		FT			0		\$ -
1"		FT			0		\$ -
1 1/4"		FT			0		\$ -
1 1/2"		FT			0		\$ -
2"		FT			0		\$ -
2 1/2"		FT			0		\$ -
3"		FT			0		\$ -
3 1/2"		FT			0		\$ -
4"		FT			0		\$ -
					0		\$ -
CONNECTORS					0		\$ -
1/2"		EA	0.35		0 \$	0.65	\$ -
3/4"		EA			0		\$ -
1"		EA			0		\$ -
1 1/4"		EA			0		\$ -
1 1/2"		EA			0		\$ -
2"		EA			0		\$ -
2 1/2"		EA			0		\$ -
3"		EA			0		\$ -
3 1/2"		EA			0		\$ -
4"		EA			0		\$ -
TOTAL					0		\$ -

WIRE/ CABLE DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL
#12 THHN/ THWN		FT	0.006		0 \$	0.10 \$
#10 THHN/ THWN		FT	0.007		0 \$	0.16 \$
#8 THHN/ THWN		FT	0.01		0 \$	0.18 \$
#6 THHN/ THWN		FT	0.012		0 \$	0.27 \$
#4 XHHW		FT	0.016		0 \$	0.43 \$
#3 XHHW		FT	0.018		0 \$	0.53 \$
#2 XHHW		FT	0.02		0 \$	0.66 \$
#1 XHHW		FT	0.022		0 \$	0.87 \$
#1/O XHHW		FT	0.024		0 \$	0.96 \$
#2/O XHHW		FT	0.026		0 \$	1.08 \$
#3/O XHHW		FT	0.028		0 \$	1.34 \$
#4/O XHHW		FT	0.03		0 \$	1.68 \$
#250 XHHW		FT	0.034		0 \$	1.99 \$
#350 XHHW		FT	0.038		0 \$	2.70 \$
#400 XHHW		FT	0.04		0 \$	3.42 \$
#450 XHHW		FT	0.045		0 \$	3.68 \$
#500 XHHW		FT	0.05		0 \$	3.87 \$
#600 XHHW		FT	0.055		0 \$	4.22 \$
#650 XHHW		FT	0.06		0 \$	4.65 \$
#750 XHHW		FT	0.075		0 \$	5.70 \$
12/2 MC		FT	0.0261		0 \$	1.03 \$
					0	\$
TERMINATION		EA	0.2		0 \$	0.25 \$
					0	\$
CONTROL CABLE		FT	0.01		0 \$	0.85 \$
TOTAL					0.00	\$
MULTIPLIER						1.00 \$

GROUNDING/ MISC DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL	
4/0 BARE CU		FT	0.03		0 \$	1.62 \$	-
3/4" X 10' GRD ROD		EA	0.4		0 \$	18.50 \$	-
1/4" X 2" BARE CU BAR		FT	0.08		0 \$	2.50 \$	-
BAR STANDOFFS		EA	0.2		0 \$	5.00 \$	-
CALDWELD		EA	0.3		0 \$	5.50 \$	-
GROUND EXHAUST FANS/ STACKS		FT	5		0 \$	50.00 \$	-
GROUND SWITCHBOARD		EA	18		0 \$	150.00 \$	-
GROUND XFMRs/ PANELS		EA	8		0 \$	80.00 \$	-
			0		0 \$	- \$	-
CONTROL/ CONNECTION ROLL UP DOOR		EA	20		0 \$	120.00 \$	-
			0		0 \$	- \$	-
TAG/ LABEL		EA	0.1		0 \$	2.80 \$	-
			0		0 \$	- \$	-
CONCRETE PADS			16		0 \$	180.00 \$	-
			0		0 \$	- \$	-
FSS/ OUTLET BOXES W/PLATES			0.2		0 \$	4.20 \$	-
					0	\$	-
B22- 240 UNISTRUT		FT	0.03		0 \$	0.98 \$	-
B22A- 240 UNISTRUT		FT	0.04		0 \$	1.89 \$	-
			0		0	\$	-
N-225 SPRING NUT		EA	0.02		0 \$	0.17 \$	-
			0		0	\$	-
1/4"- 13 X 10 ALLTHREA		FT	0.01		0 \$	0.12 \$	-
1/4 - 13 HEX NUT		EA	0		0 \$	0.01 \$	-
9/16" B202 SQ WASHER		EA	0		0 \$	0.01 \$	-
BH-503 BEAM CLAMP		EA	0		0 \$	2.32 \$	-
			0		0	\$	-
LABOR- SUPPORT TRANSFORMERS		EA	8		0 \$	150.00 \$	-
CONCRETE		YDS	1		0 \$	75.00 \$	-
TRENCH/ BACKFILL		FT	0.035		0 \$	1.40 \$	-
					0	\$	-
CORE DRILL EXTERIOR WALL		EA	0		0 \$	50.00 \$	-
CUT & PATCH SLAB		FT	0.45		0 \$	8.00 \$	-
TOTAL					0	\$	-

[illegible]

SYSTEMS DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL	
STROBE		EA	0.5		0 \$	-	\$ -
PULLSTATION		EA	0.5		0 \$	-	\$ -
SMOKE DETECTOR		EA	0.8		0 \$	-	\$ -
DUCT MTD SMOKE DETECTOR		EA	1.5		0 \$	-	\$ -
HEAT DETECTOR		EA	0.75		0 \$	-	\$ -
TAMPER SWITCH		EA	0.6		0 \$	-	\$ -
FLOW SWITCH		EA	0.6		0 \$	-	\$ -
FIRESTAT		EA	0.4		0 \$	-	\$ -
MONITOR MODULE		EA	1		0 \$	-	\$ -
CONTROL MODULE		EA	0.8		0 \$	-	\$ -
DOOR CONTACT		EA	1		0 \$	-	\$ -
		EA	0		0 \$	-	\$ -
CEILING SPEAKERS		EA	0.45		0 \$	-	\$ -
		EA	0		0 \$	-	\$ -
Voice/DATA Jack (complete)		EA	0.5		0		\$ -
		EA	0		0 \$	-	\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
FIRE ALARM CONTROL PANEL	0	EA	30		0		\$ -
REMOTE ANNUNCIATOR	0	EA	10		0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
FIRE ALARM CABLING	0	FT	0.02		0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
		EA			0		\$ -
TOTALS					0		\$ -

DEMOLITION/ TEMPORARY POWER DESCRIPTION	QUAN	UNIT	LABOR UNIT	LABOR TOTAL	MAT. UNIT	MATERIAL TOTAL
DEMOLITION		LOT		450	0 \$	- \$
		EA		0	0 \$	- \$
TEMPORARY LIGHTING		LOT		200	0 \$	1,800.00 \$
TEMPORARY POWER		LOT		200	0 \$	2,500.00 \$
		EA		0	0 \$	- \$
SCRAP		LOT		0	0 \$	- \$
		EA		0	0 \$	- \$
		EA		0	0 \$	- \$
		EA		0	0 \$	- \$
		EA		0	0 \$	- \$
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TOTALS					0	\$