

**MEMO – TOWERS HAZARD MITIGATION WORK (HMP), FEMA PW 5802**

According to Project Worksheet 5802 for the Towers Building in Slidell, St. Tammany Parish was supposed to track the costs of the HMP work separately. Because the HMP was not obligated prior to work commencing, the HMP work was not tracked in separate line items on the AIA documents. Instead, the HMP work was included in AIA line items along with non-HMP work.

In order to closeout PW 5802, St. Tammany needs to show that the cost of the HMP work done met or exceeded FEMA’s obligation for those tasks<sup>1</sup>. Because this was not tracked separately on the AIA documents, the Parish needs the Architect’s assistance in determining the cost of the HMP work completed. A licensed Architect is needed to make a determination of the actual costs of the HMP.

The four HMP tasks and amounts obligated for each are:

1.1 Elevate Mechanical Equipment	\$113,540.94
1.2 Wet-Proof the Ground Floor	\$158,755.15
1.3 Blow Out Walls	\$13,570.66
1.4 Wet-proof Elevator	\$41,630.00

A schedule of the Parish’s estimation of the applicable costs is attached, along with the Scopes of Work for the four HMP projects. This estimation needs to be validated or revised by a licensed A&E Firm.

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<sup>1</sup> If the costs cannot be supported, the Parish will need to repay FEMA for any HMP costs it cannot document.

**HMP Oblig & Realignments**  
PW 5802 HMP Actual Costs Lead Sched AIA Line Alloc's.xls  
10/23/2014

HMP #

Description	FEMA est'd Cost of HMP Work	Less Cost of Original Repairs (previously obligated)	NOTE: Net additional Obligation for HMP	NOTES AIA sheet #24 line # / item desc / item gross price	HMP COSTS IN AIA LINE ITEMS:		
					HMP amount included within the AIA line item	HMP % portion of AIA Line Item	
1.1 Elevate Mech Equip	\$ 113,540.94	\$ -	\$ 113,540.94 [1]	10 Concrete Work \$106,000 13. Steel Stair System, metal decking/concrete at landing, CHILLER PLATFORM \$393,000 10% Contractor Overhead & Profit (see below)	\$ 21,200.00 \$ 98,250.00 \$ 12,291.41 \$ 131,741.41	20% 25%  	
1.2 Wet-proof Ground Floor	\$ 158,755.15	\$ (79,437.04)	\$ 79,318.11 [2]	11. Stained/Scored Concrete \$33,500 (100% for HMP) 12. Masonry \$57,000 (100% for HMP) 25. Ceramic Tile \$80,594.30 67. CO #18, Wainscoat Clarification (\$0.00) 10% Contractor Overhead & Profit (see below)	\$ 33,500.00 \$ 57,000.00 \$ 60,445.73 \$ - \$ 15,532.32 \$ 166,478.04	100% 100% 75%  	
1.3 Blow out walls	\$ 13,570.66	\$ -	\$ 13,570.66 [3]	15. Misc Iron \$59,000, includes 1) Interior Misc Steel, 2) Louvers @ Blowout Wall 24. Drywall System \$96,000, includes Framing First Floor for Blowout system 10% Contractor Overhead & Profit (see below)	\$ 14,750.00 \$ 24,000.00 \$ 3,987.38 \$ 42,737.38	25% 25%  	
1.4 Wet-proof elevator	\$ 41,630.00	\$ -	\$ 41,630.00 [4]	34. Elevators (new, installed on 2nd floor \$149,811) 64. Fire dampers 2nd floor elev equip 69. Elevator Vents 10% Contractor Overhead & Profit (see below)	\$ 44,945.10 \$ 4,601.00 \$ 3,483.41 \$ 5,456.74 \$ 58,486.25	30% 100% 100%  	
2 Roof addl oblig	\$ 232,951.00 \$ 42,977.08	\$ (42,479.30)	\$ 190,471.70 \$ 42,977.08 [5]	17. Metal Roofing Retrofit 50. Flashing on Lower Roof 10% Contractor Overhead & Profit (see below)	\$ 248,460.00 \$ 2,383.71 \$ 25,084.37 \$ 275,928.08		
<b>HMP work total --&gt;</b>					\$ 603,424.83	\$ 481,508.49 <--- additional Oblig for HMP	\$ 675,371.15

CALCULATION OF CONTRACT OH & P PERCENTAGE

*Indirect & Overhead Costs*

Line 1 Mobilization	\$ 71,250.00
Line 2 General Admin	\$ 550,000.00
Line 3 - Bonds	\$ 106,875.00
Line 4 - Permits	\$ 21,375.00
<b>Total Overhead</b>	<b>\$ 749,500.00</b>

*Total Project Cost*

Grand Total Pay Appl 24 \$ 7,281,871.56

**OH & Profit Percentage**

10.29%

Values needing validation by a licensed A&E Firm

TO OWNER: St. Tammany Parish  
PO Box 628  
Covington, LA 70434

PROJECT:  
Renovations to St. Tammany Parish  
Slidell Administrative Complex

APPLICATION NO: 24; Official

Distribution to:

<input checked="" type="checkbox"/>	OWNER
<input checked="" type="checkbox"/>	ARCHITECT
<input checked="" type="checkbox"/>	CONTRACTOR
<input type="checkbox"/>	
<input type="checkbox"/>	

PERIOD TO: 3/31/11

FROM COMPLETING SURETY:

VIA ARCHITECT:

Travelers Casualty & Surety Co. of America  
1500 Market St., Suite 2900, West Tower  
Philadelphia, PA 19102

Darmon Engineering  
1095 Florida Ave.  
Slidell, LA 70458

PROJECT NOS:

CONTRACT DATE: 10/17/2007

CONTRACT FOR:

**CONTRACTOR'S APPLICATION FOR PAYMENT**

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

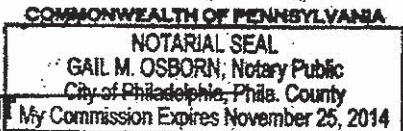
The undersigned Surety certifies that to the best of the Surety's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Surety for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

1. ORIGINAL CONTRACT SUM	\$	7,125,000.00
2. Net change by Change Orders	\$	156,871.56
3. CONTRACT SUM TO DATE (Line 1 + 2)	\$	7,281,871.56
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$	7,231,644.58
5. RETAINAGE:		
a. 5.00 % of Completed Work (Column D + E on G703)	\$	361,582.23
b. % of Stored Material (Column F on G703)	\$	
Total Retainage (Lines 5a + 5b or Total in Column I of G703)	\$	361,582.23
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$	6,870,062.35
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	6,812,905.01
8. CURRENT PAYMENT DUE	\$	57,157.34
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	\$	411,809.21

COMPLETING SURETY: Travelers Casualty & Surety Co. of America

By: M. J. B. [Signature] Date: 4/27/11

State of Pennsylvania  
Subscribed and sworn to before me this 27th day of April  
Notary Public: Gail M. Osborn  
My Commission expires:



**ARCHITECT'S CERTIFICATE FOR PAYMENT**

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Surety is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED ..... \$ 57,157.34

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT: [Signature] Date: 5-5-11

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Surety named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Surety under this Contract.

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$274,945.56	\$118,074.00
Total approved this Month		
TOTALS	\$274,945.56	\$118,074.00
NET CHANGES by Change Order	\$156,871.56	

[Handwritten Signature]  
5-11-11

**CONTINUATION SHEET**

AIA DOCUMENT G703

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AIA  
Document G702, APPLICATION AND  
CERTIFICATION FOR PAYMENT,  
containing  
Contractor's signed certification is

RENOVATIONS TO ST. TAMMANY PARISH  
SLIDELL ADMINISTRATIVE COMPLEX

APPLICATION NO: 24 Official  
APPLICATION DATE: 3.31.11  
PERIOD TO: 3.31.11

ARCHITECT'S PROJECT NO:

AGC PROJECT NO: 23-400

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G		H BALANCE TO FINISH (C-G)	I RETAINAGE at 5%
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)		
1	MOBILIZATION	71,250.00	71,250.00			71,250.00	100%		3,562.50
	TRAILER RENTAL					-			-
	SAFETY EQUIPMENT					-			-
	FENCING					-			-
2	GENERAL & ADMIN OVERHEAD	550,000.00	550,000.00			550,000.00	100%		27,500.00
	PROJECT MANAGEMENT SALARIES					-			-
	FUEL					-			-
	CELL PHONES					-			-
	OFFICE SUPPLIES					-			-
	HOUSING					-			-
	TRAVEL EXPENSE					-			-
	SUPPLIES					-			-
	BID PREPARATION					-			-
	MANAGEMENT STAFF SLIDELL					-			-
	CORPORATE VEHICLES					-			-
	VEHICLE INSURANCE					-			-
	COPIER LEASE					-			-
	POSTAGE/FED-EX					-			-
	QUALITY CONTROL					-			-
	MAINTENANCE					-			-
	OFFICE PHONE					-			-
	INTERNET					-			-
	COMPUTERS					-			-
	COMPUTER SOFTWARE					-			-
	MEDICAL INSURANCE					-			-
	WORKERS COMP					-			-
	PLANS					-			-
	BOOK KEEPER					-			-
	OVERHEAD AND PROFIT					-			-
3	BONDS	106,875.00	106,875.00			106,875.00	100%		5,343.75

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			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD		% (G ~ C)			
	SPECIAL INSURANCE/BUILDERS RISK								
4	PERMITS	21,375.00	21,375.00			21,375.00	100%		1,068.75
5	MISC SITE WORK	26,500.00	26,500.00			26,500.00	100%		1,325.00
6	NEW CONCRETE PAVING/CURBS	219,000.00	198,530.00	13,642.00		212,172.00	97%	6,828.00	10,608.60
7	GENERAL DEMO	321,500.00	321,500.00			321,500.00	100%		16,075.00
	CELLINGS								
	WALLS								
	FRAMEWORK								
	WALLPAPER								
	PANELING								
	BASE CASE TRIM								
	CARPETING								
	PAVING REMOVAL/SUBGRADE PREP								
	EXTERIOR WALL DEMOLITION								
8	ASBESTOS ABATEMENT	86,209.00	86,209.00			86,209.00	100%		4,310.45
9	PILING @ STAIRWELLS	39,000.00	39,000.00			39,000.00	100%		1,950.00
10	CONCRETE WORK	106,000.00	106,000.00			106,000.00	100%		5,300.00
11	STAINED/SCORED CONCRETE	33,500.00	33,500.00			33,500.00	100%		1,675.00
12	MASONRY	57,000.00	57,000.00			57,000.00	100%		2,850.00
13	STEEL STAIR SYSTEM	393,000.00	393,000.00			393,000.00	100%		19,650.00
	METAL DECKING/CONCRETE @ LANDING								
	CHILLER PLATFORM								
14	PORTE CORCHERE	49,000.00	30,870.00	12,886.00		43,756.00	89%	5,244.00	2,187.80
15	MISC. IRON	59,000.00	59,000.00			59,000.00	100%		2,950.00
	INTERIOR MISC. STEEL								
	EXTERIOR COLUMNS								
	BOLLARDS								
	LOUVERS @ BLOWOUT WALL								
	STEEL STAIRS TO PENTHOUSE								
16	WOOD DOORS	34,983.00	34,983.00			34,983.00	100%		1,749.15
17	METAL ROOFING/RETROFIT	248,460.00	243,490.60	2,469.40		245,960.00	99%	2,500.00	12,298.00

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			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)		
	METAL SIDING AND ROOF @ STAIRS								
18	HOLLOW METAL	21,615.00	21,615.00	-		21,615.00	100%		1,080.75
19	ROLL-UP DOOR	16,500.00	16,500.00	-		16,500.00	100%		825.00
20	COVERED WALKWAY	46,000.00	43,580.00	-		43,580.00	95%	2,420.00	2,179.00
21	EXTERIOR WINDOW WALL SYSTEM	1,243,462.00	1,233,133.00	-		1,233,133.00	99%	10,329.00	61,656.65
22	MILL WORK/TROPHY CABINERY	33,000.00	33,000.00	-		33,000.00	100%		1,650.00
23	PLASTER WORK	28,500.00	22,675.00	-		22,675.00	80%	5,825.00	1,133.75
24	DRYWALL SYSTEM	96,000.00	96,000.00	-		96,000.00	100%		4,800.00
	FRAMEWORK 1ST FLOOR								
	FRAMEWORK 2ND FLOOR								
	FRAMEWORK 3RD FLOOR								
	FRAMEWORK 4TH FLOOR								
	FRAMEWORK 5TH FLOOR								
	FRAMEWORK 6TH FLOOR								
25	CERAMIC TILE	80,594.30	80,594.30	-		80,594.30	100%		4,029.72
26	RESILIENT TILE/BASE	42,603.36	42,603.36	-		42,603.36	100%		2,130.17
27	CARPETING	210,664.20	210,664.20	-		210,664.20	100%		10,533.21
28	ACCOUSTICAL WORK	76,500.00	76,500.00	-		76,500.00	100%		3,825.00
29	PAINTING	114,000.00	98,400.00	15,600.00		114,000.00	100%		5,700.00
30	TOILET COMPARTMENTS	28,767.00	27,636.00	-		27,616.00	96%	1,151.00	1,380.80
31	TOILET ACCESSORIES	25,873.00	25,873.00	-		25,873.00	100%		1,293.65
32	FIREFIGHTING DEVICES	45,834.00	45,834.00	-		45,834.00	100%		2,291.70
	(13) FIRE EXTINGUISHERS								
	FIRE EXTI. TAGGED/INSPECTED								
	SMOKE DETECTORS								
33	FINISH HARDWARE	43,314.00	43,314.00	-		43,314.00	100%		2,165.70
34	ELEVATORS	149,817.00	143,823.50	5,993.50		149,817.00	100%		7,490.85
35	LANDSCAPING	54,265.00	51,685.00	1,935.00		53,620.00	99%	645.00	2,681.00
	LAWN SPRINKLERS								
	SOD								

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			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD		% (G+C)			
36	PENCING	24,000.00	24,000.00	-		24,000.00	100%		1,200.00
37	SPRINKLER WORK	205,940.00	205,940.00	-		205,940.00	100%		10,297.00
38	PRESIDENTS OFFICE	59,000.00	54,477.02	-		54,477.02	92%	4,522.98	-2,723.85
39	PLUMBING WORK	238,485.61	238,485.61	-		238,485.61	100%		11,924.28
	FLOOR 1/ROUGH END					-			-
	FLOOR 2/ROUGH END					-			-
	FLOOR 3/ROUGH END					-			-
	FLOOR 4/ROUGH END					-			-
	FLOOR 5/ROUGH END					-			-
	FLOOR 6/ROUGH END					-			-
	FIXTURES					-			-
	WATER METER					-			-
	URINAL COMMODES					-			-
	WATER FOUNTAINS					-			-
	VANITY TOPS					-			-
40	HVAC	1,014,000.00	1,014,000.00	-		1,014,000.00	100%		50,700.00
	VAV BOXES					-			-
	CONTROLLERS					-			-
	DUCT WORK					-			-
	CHILLERS					-			-
	POPING					-			-
	RETURNS					-			-
	REFRIDGERATION					-			-
	TEST & BALANCE					-			-
41	ELECTRICAL WORK	803,613.53	797,534.48	3,300.13		800,834.61	99.65%	2,778.92	40,041.73
	LIGHTING INTE/EXTE					-			-
	FUSE/CIRCUIT BOXES					-			-
	CONDUIT					-			-
	WIRING					-			-
	SWITCHES					-			-
	RECEPTICALS					-			-
	SPECIAL LIGHTING					-			-

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			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)		
	OFFICE TRAILER								
	GEAR								
	VOICE DATA								
	SECURITY CARD SYSTEM								
42	CO #1, PCO #5 WEST SIDE FENCE	8,322.66	8,322.66			8,322.66	100%		416.13
43	CO #3, ENGINEERING FOR MECHANICAL	9,120.00	9,120.00			9,120.00	100%		456.00
44	CO #4, PCO #6 CREDIT FOR COPPER	(29,950.00)	(29,950.00)			(29,950.00)	100%		(1,497.50)
45	CO #5, PCO #8 STUCCO THE PENTHOUSE ON THE ROOF	17,473.75	17,473.75			17,473.75	100%		873.69
46	CO #5, PCO #9 DEMO AND REPLACE 110 SHEETS SHEETROCK	7,747.25	7,747.25			7,747.25	100%		387.36
47	CO #5, PCO #10 PLUMBING CHANGES	5,424.28	5,424.28			5,424.28	100%		271.21
48	CO #5, PCO #11 PARKING LOT REMOVAL, 49,500 SF	42,705.00	42,705.00			42,705.00	100%		2,135.25
49	CO #6, PCO #15 ADDITIONAL HM FRAMES AND DOORS, ADDED WOOD DOORS, AND DOOR & FRAME INSTALLATION (2)	1,977.00	1,977.00			1,977.00	100%		98.85
50	CO #6, PCO #18 REMOVE ROOFING PANEL TO REFLASH LOWER ROOF, REPAIRS TO FLASHING ON LOWER ROOF @ NO SIDE OF BUILDING	2,383.75	2,383.75			2,383.75	100%		119.19
51	CO #6, PCO #23 CREDIT FOR TOILET ROOM ACCESSORIES	(8,752.00)	(8,752.00)			(8,752.00)	100%		(437.60)
52	CO #6, PCO #24 3RD FLOOR DA OFFICE CHANGES, 6TH FLOOR PRESIDENT OFFICE CHANGES	9,296.00	9,296.00			9,296.00	100%		464.80
53	CO #6, PCO #26 6TH FLOOR PRESIDENT OFFICE FLOORING CHANGES	18,292.28	18,292.28			18,292.28	100%		914.61

CONTINUATION SHEET			AIA DOCUMENT G703				PAGE 1 OF 7		7		
AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is			RENOVATIONS TO ST. TAMMANY PARISH SLIDELL ADMINISTRATIVE COMPLEX				APPLICATION NO: 24 Official APPLICATION DATE: 3.31.11 PERIOD TO: 3.31.11		ARCHITECT'S PROJECT NO: AGC PROJECT NO: 23-400		
A	B	C	D		E	F		G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D O R E)		TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE at 5%
54	CO #7, PCO #28 3RD DA BATHROOM CHANGES	3,837.60	3,837.60	-	-	-	3,837.60	100%	-	191.88	
55	CO #7, PCO #29 2ND-6TH FLOORS, RECORE DRILL SEWER LINE IN MENS/WOMENS RESTROOMS. MOVE WATER LINES AND MENS URINALS	4,680.00	4,680.00	-	-	-	4,680.00	100%	-	234.00	
56	CO #8, PCO #30 REPAIR/REPLACE SEWER AND WATER PIPE	4,200.00	4,200.00	-	-	-	4,200.00	100%	-	210.00	
57	CO #8, PCO #32 FLOORING INLAY	11,940.75	11,940.75	-	-	-	11,940.75	100%	-	597.04	
58	CO #9, PCO #25 REMOVE & INSTALL NEW DAVEY BOOSTER PUMP ON 3RD FLOOR ONLY W/ACCESSORIES	8,285.00	8,285.00	-	-	-	8,285.00	100%	-	414.25	
59	CO #10, LD's, architect fees, and insurance premiums	(88,124.00)	(88,124.00)	-	-	-	(88,124.00)	100%	-	(4,406.20)	
60	CO #11: PCO 60	11,374.52	11,374.52	-	-	-	11,374.52	100%	-	568.73	
61	CO #12: PCO 56	6,149.87	6,149.87	-	-	-	6,149.87	100%	-	307.49	
62	CO #13: New DA exhaust fan	3,667.96	3,667.96	-	-	-	3,667.96	100%	-	183.40	
63	CO #14: RFP 22 - Receptacle in Data Rm	576.64	576.64	-	-	-	576.64	100%	-	28.83	
64	CO #15: Fire Dampers at 2nd Floor Elevator Equipment Room	4,601.00	4,601.00	-	-	-	4,601.00	100%	-	230.05	
65	CO #16: RFP 23 - Booster Pump Electrical	1,392.49	1,392.49	-	-	-	1,392.49	100%	-	69.52	
66	CO #17: PCO 58 - Rolling Grill Electrical & Ceiling Modifications	1,145.61	1,145.61	-	-	-	1,145.61	100%	-	57.28	
67	CO #18: Wainscot Clarifications	-	-	-	-	-	-	-	-	-	
68	CO #19: Knox Box, A/C Relocation, Concrete Board	9,132.29	9,132.29	-	-	-	9,132.29	100%	-	456.61	
69	CO #20: Elevator Vents	3,483.41	3,483.41	-	-	-	3,483.41	100%	-	174.17	
70	CO #21: Conference Room Ceiling Changes	28,764.86	28,764.86	-	-	-	28,764.86	100%	-	1,438.24	
71	CO #22: Entrance Canopy Walkway	11,251.61	10,251.61	-	-	-	10,251.61	91%	1,000.00	512.58	

CONTINUATION SHEET			AIA DOCUMENT G703				PAGE 1 OF 7	8	
AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is			RENOVATIONS TO ST. TAMMANY PARISH SLIDELL ADMINISTRATIVE COMPLEX				APPLICATION NO: 24 Official		
							APPLICATION DATE: 3.31.11		
							PERIOD TO: 3.31.11		
							ARCHITECT'S PROJECT NO:		
							AGC PROJECT NO: 23-400		
A	B	C	D		E	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS	TOTAL	%	BALANCE	RETAINAGE
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD	PRESENTLY STORED (NOT IN D OR E)	COMPLETED AND STORED TO DATE (D+E+F)	(G + C)	TO FINISH (C - G)	@ 5%
72	CO #23: Exterior Stucco Per RFP No. 25	21,983.08	15,000.00	-		15,000.00	68%	6,983.08	750.00
73	CO #24: First Floor Smoke Detectors	8,188.00	8,188.00	-		8,188.00	100%		409.40
74	CO #25: Damaged Storm Drains	10,530.87	10,530.87	-		10,530.87	100%		526.54
75	CO #26: PCO No. 68 thru 70	5,770.03	1,430.44	4,339.59		5,770.03	100%		288.50
GRAND TOTALS		7,281,871.56	7,171,478.96	60,165.62	-	7,231,644.58	99.31%	50,226.98	351,582.23

**FEDERAL EMERGENCY MANAGEMENT AGENCY**

**HMP Roll-Up Sheet**

Declaration No.		Applicant Project No.		FIPS Number	Date:	Category:	
FEMA	1603	DR	LA	5802V2	103-99103-00	07/27/2009	E
Applicant:				ST TAMMANY PARISH GOVERNMENT		County:	ST TAMMANY PARISH

**HMP Costs, by Proposal**

HMP Number	Description	Cost
HMP 1	Elevate Mechanical Equipment	\$113,540.94
HMP 2	Wet Flood-Proof Ground Floor Architectural Elements	\$79,318.11
HMP 3	Provide Blow Out Walls	\$13,570.66
HMP 4	Wet Flood-Proof Elevators	\$41,630.00
<b>Total for Line Item Only</b>		<b>\$248,059.71</b>

Recommended by (Signature):		DATE
Agency: FEMA		
Concurrence by State Applicant Liaison (Signature)		DATE
Agency: STATE		
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		DATE
Agency: APPLICANT		

*Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work*

HMP 1

APPLICANT	FIPS #	DISASTER #			
ST TAMMANY (PARISH)	103-99103-00	FEMA	1603	DR	LA
PARISH	CATEGORY	DATE			
SAINT TAMMANY	E	07/06/2009			
LOCATION/SITE	PROJECT NUMBER				
PARISH GOV'T OFFICE BLDG-TOWERS BLDG	5802 V2				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 1 - ELEVATE MECHANICAL EQUIPMENT					
PROJECT OFFICER					
Dennis Melancon					
MITIGATOR					
Ed Nachtmann					



HMP 2

APPLICANT	FIPS #	DISASTER #			
ST TAMMANY (PARISH)	103-99103-00	FEMA	1603	DR	LA
PARISH	CATEGORY	DATE			
SAINT TAMMANY	E	07/06/2009			
LOCATION/SITE	PROJECT NUMBER				
PARISH GOV'T OFFICE BLDG-TOWERS BLDG	5802 V2				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 2 - WET FLOOD-PROOF GROUND FLOOR ARCHITECTURAL ELEMENTS					
PROJECT OFFICER					
Dennis Melancon					
MITIGATOR					
Ed Nachtmann					



HMP 3

APPLICANT	FIPS #	DISASTER #			
ST TAMMANY (PARISH)	103-99103-00	FEMA	1603	DR	LA
PARISH	CATEGORY	DATE			
SAINT TAMMANY	E	07/06/2009			
LOCATION/SITE	PROJECT NUMBER				
PARISH GOV'T OFFICE BLDG-TOWERS BLDG	5802 V2				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 3 - PROVIDE BLOW OUT WALLS					
PROJECT OFFICER					
Dennis Melancon					
MITIGATOR					
Ed Nachtmann					

**FEDERAL EMERGENCY MANAGEMENT AGENCY  
HAZARD MITIGATION PROPOSAL (HMP)**

<b>Declaration No.</b>		<b>Applicant Project No.</b>		<b>FIPS Number</b>	<b>Date:</b>	<b>Category:</b>
FEMA	1603 DR LA	5802 V2		103-99103-00	07/06/2009	E
<b>Applicant:</b> ST TAMMANY (PARISH)				<b>County:</b> SAINT TAMMANY		

**SCOPE OF MITIGATION WORK:**

This HMP has been prepared to recommend 406 Mitigation funding for "blow-out walls" and relief louvers in the St. Tammany Parish Tower Building. These mitigation elements are located on the ground floor and are intended to relieve hydrostatic pressure during a flood before any major damage occurs from a facade collapse. The applicant submitted Contract Drawings and Specifications prepared by Dammon Engineering, Inc. The cost for this work was estimated using contractor supplied unit prices. A CEF analysis was also performed on the applicant's estimate to allow for project management, A&E design and other factors. The estimate and CEF analysis are attached to this PW Version for reference.

1.81 Factor Calculation = Part A CEF Total/ Part A CEF Base = \$4,713,747/\$2,597,791

This mitigation measure is considered cost-effective in accordance with FEMA Response and Recovery Directorate Policy Number: 9526.1, Section 7.c.3 (1998). A benefit cost analysis provides a benefit cost ratio greater than or equal to 1.0 (> = 1.0).

The final design and choice of contractors and vendors are the responsibility of the Applicant.

<b>Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet</b>	<b>\$21,507.14</b>
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**ESTIMATE OF WORK**

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
<b>Items Needed if HMP Approved</b>						
1	0909	Costs to Install Blow Out Walls and Louvers	1	LS	\$7,497.60	\$7,497.60
2	0909	1.81 CEF Factor	0.81	LS	\$7,497.60	\$6,073.06
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<b>Items Not Needed if HMP Approved</b>						
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<b>Total for Line Item Only</b>						<b>\$13,570.66</b>

<b>Recommended by (Signature):</b>				<b>DATE</b>
Agency: FEMA	Dennis Melancon <i>[Signature]</i>			10/23/09
<b>Concurrence by State Applicant Liaison (signature)</b>				<b>DATE</b>
Agency: STATE	Richard Blum <i>[Signature]</i>			11/16/09
<b>CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)</b>				<b>DATE</b>
Agency: APPLICANT	<i>[Signature]</i>			
<i>Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work</i>				

HMP 4

APPLICANT	FIPS #	DISASTER #		
ST TAMMANY (PARISH)	103-99103-00	FEMA	1603	DR LA
PARISH	CATEGORY	DATE		
SAINT TAMMANY	E	07/06/2009		
LOCATION/SITE	PROJECT NUMBER			
PARISH GOV'T OFFICE BLDG-TOWERS BLDG	5802 V2			
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE				
HMP 4 - WET FLOOD-PROOF ELEVATORS				
PROJECT OFFICER				
Dennis Melancon				
MITIGATOR				
Ed Nachtmann				

**FEDERAL EMERGENCY MANAGEMENT AGENCY  
HAZARD MITIGATION PROPOSAL (HMP)**

<b>Declaration No.</b>		<b>Applicant Project No.</b>		<b>FIPS Number</b>	<b>Date:</b>	<b>Category:</b>	
FEMA	1603	DR	LA	5802 V2	103-99103-00	07/06/2009	E
<b>Applicant:</b> ST TAMMANY (PARISH)				<b>County:</b> SAINT TAMMANY			

**SCOPE OF MITIGATION WORK:**

This HMP has been prepared to recommend 406 Mitigation funding to wet flood-proof elevator equipment at the St. Tammany Parish Tower Building. Machinery that was damaged by flooding on the ground floor will be relocated to the 2nd floor. In addition "float switches" will be installed in 2 elevators to raise and lock-out elevator cabs at a higher floor in the event of the ground floor flooding. The cost for this work was estimated using contractor supplied unit prices. A CEF analysis was also performed on the applicant's estimate to allow for project management, A&E design and other factors. Finally, this amount was multiplied by a factor of 1.81 obtained by dividing the total CEF factored repair cost by the total base repair cost. The estimate and CEF analysis are attached to this PW Version for reference.

1.81 Factor Calculation = Part A CEF Total/ Part A CEF Base = \$4,713,747/\$2,597,791

This mitigation measure is considered cost-effective in accordance with FEMA Response and Recovery Directorate Policy Number: 9526.1, Section 7.c.2 (1998). This measure is identified in the Policy Appendix, and the net cost of mitigation is less than or equal to 100% (< = 100%) of the cost of damages prevented.

<b>Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet</b>	<b>\$146,377.00</b>
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**ESTIMATE OF WORK**

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
<b>Items Needed if HMP Approved</b>						
1	0909	Costs to Elevate Elevator Equipment and Install Float Switches	1	LS	\$23,000.00	\$23,000.00
2	0909	1.81 CEF Factor	0.81	LS	\$23,000.00	\$18,630.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<b>Items Not Needed if HMP Approved</b>						
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<b>Total for Line Item Only</b>						<b>\$41,630.00</b>

<b>Recommended by (Signature):</b>			<b>DATE</b>
Agency: FEMA	Dennis Melancon <i>[Signature]</i>		10/23/09
<b>Concurrence by State Applicant Liaison (signature)</b>			<b>DATE</b>
Agency: STATE	<i>[Signature]</i>		11/16/09
<b>CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)</b>			<b>DATE</b>
Agency: APPLICANT	<i>[Signature]</i>		

*Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work*