# **CEF Fact Sheet**

Date of Estimate:	October 1, 1998
FEMA Region:	III
Preparer(s):	Peter Phillip (FEMA)
Applicant Name:	Union High School District
Project Title:	Building Repair
Damaged Facility:	Gymnasium
<b>Declaration Number:</b>	FEMA-1234-DR-MD
Project Number:	3596
PA ID No.:	037-91154
Date of Inspection:	September 29, 1998
Event Date(s)	September 15, 1998
Work Category:	E
Type of Work:	Repair
(Enter New, Repair, etc.)	HMP
Scope:	Seismic-induced ground movement damaged
	gymnasium, a 20,000 sf, one-story building
	constructed in 1958. Building consists of structural
	steel frame with concrete tilt-up walls on concrete
	pile foundation. Roof deck is lightweight gypsum
	concrete; floor is concrete slab. Structural damage:
	cracking of concrete tilt-up walls, columns, soffits,
	and beams. Non-structural damage: cracked plaster,
	broken ceiling tiles, damaged lights. Repairs:
	temporary relocation of contents, including ceiling
	heaters; epoxy injection of cracks in concrete; patch
	and paint exterior and interior walls; remove and
	replace ceiling tiles. Propsed Hazard Mitigation:
	installation of vertical strongbacks at exterior tilt-up
	walls and bracing anchors. See Part A for quantities.

## **CEF Notes**

Damaged Facility:		Gymnasium
Applicant Name:		Union High School District
Project Number:		3596
Date of Estimate:		October 1, 1998
Preparer(s):		Peter Phillip (FEMA)
Part A Notes:	Δ1-	Construction costs based on 1998 R.S. Means unit costs with
art A Notes.	Λ. Ι	appropriate city index for each CSI division
	Λ2-	Construction costs based on 1998 R.S. Means unit costs with
	۸.۷ -	appropriate city index for each CSI division
Part B Notes:	D 1	General Requirement costs added for Submittals at 2%
Part B Notes.	B.2 -	•
	D.Z -	Standard CEF factor used for General Conditions
Part C Notes:	C.1 -	Repair: Scope of new construction is well defined, 2% used for
		design scope contingency Haz. Mit: Scope of Hazard Mitigation
		is based on preliminary engineering, 10% used for design scope
		contingency.
	C.2 -	No constructibility costs applicable to Repair or Haz. Mit.
		Access and storage within building are limited for Repair and
		Haz. Mit., Staging costs added for interior
	C.4 -	Project is too small for economies of scale factor
Part D Notes:		Standard CEF factor used for GC's Home Office Overhead
		Standard CEF factor used for GC's Insurance, Payment &
		Performance Bond
	D.3 -	Standard CEF factor used for GC's Profit
Part E Notes:		Design = 4 months, Bid/Award = 2 months, Construction = 4
		months
Part F Notes:	F.1 -	Plan review costs are based on Montgomery County, MD
		requirements
	F.2 -	Permit costs are based on Montgomery County, MD
		requirements
	<u> </u>	
Part G Notes:	G.1 -	Standard CEF factor used for Change Orders
Part H Notes:	H.1 -	Standard CEF factor used for Project Management - Design
		Phase
	H.2 -	Standard CEF factor used for A/E Design Contract Costs
		Standard CEF factor used for Project Management -
		Construction Phase
Miscellaneous		5
Notes &		
Comments:		
Use mouse to		
Activate Cursor:		

#### **CEF Part A Estimate**

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Т	otal Cost
Comple	ted		<u>l</u>					
	Permanent							
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
			Co	mplet	ed - Perman	ent Total	\$	-
	Non-Permanent							
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
					\$ -		\$	-
			Comple	ted - N	lon-Perman	ent Total	\$	-
Uncom	oleted		•					
	Permanent							
	Repair						\$	
	Structural						\$	
1	Epoxy inection of wall cracks	37-330-010	678.00	LF	\$ 33.50	0.90	\$	20,441.70
	Non-Structural						\$	-
2	Remove ceiling tiles	20-702-150	12,540.00	SF	\$ 0.95	0.82	\$	9,768.66
3	Replace ceiling tiles	95-104-030	12,540.00	SF	\$ 1.07	0.82	\$	11,002.60
4	Reroute electrical conduit	60-205-030	400.00	LF	\$ 5.05	0.93	\$	1,878.60
5	Remove existing lights	20-708-242	60.00	EA	\$ 21.50	0.86	\$	1,109.40
6	Replace existing lights	20-708-242	60.00	EA	\$ 21.50	0.86	\$	1,109.40
7	Temporary relocation of contents	estimate		LS	\$ 10,000.00	1.00	\$	10,000.00
8	Remove and rehang ceiling heaters	55-480-200	2.00	EA	\$ 108.00	0.90	\$	194.40
9	Paint interior walls	99-224-080	15,320.00	SF	\$ 0.54	0.82	\$	6,783.70
10	Paint exterior walls	99-224-124	15,320.00	SF	\$ 0.61	0.82	\$	7,663.06
					\$ -		\$	_

#### **CEF Part A Estimate**

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Ur	nit Price	City Adj Factor	Total Cost
	Hazard Mitigation				\$	-		\$ -
11	Vertical strongbacks at exterior tilt up walls	51-220-330	16,000.00	LB	\$	1.30	0.97	\$ 20,176.00
12	Bracing anchors	50-520-060	192.00	EA	\$	7.00	0.97	\$ 1,303.68
13	Paint strongbacks	099-120-0220 099-120-0230 099-120-0240	360.00	LF	\$	1.22	0.82	\$ 360.14
					\$	-		\$
			Unco	mplet	ed -	Perman	ent Total	\$ 91,791.34
	Non-Permanent							
14	Scaffolding rental	15-255-410	15.00	EA	\$	1,250.00	1.00	\$ 18,750.00
15	Temporary fencing	15-304-020	8.05	LF	\$	200.00	1.00	\$ 1,610.00
			Uncomple	ted - N	Non-	Perman	ent Total	\$ 20,360.00
		TOTAL	PART A BA	SE CO	NST	TRUCTIO	N COST	\$ 112,151.34

	Union H	igh Sc	hool D	istrict - E	Building	Repair			
				Repair	НМР	\$ -	\$ -	\$ -	Total
PART A		"Ba	se Costs" fo	r Construction	Work-In Trade	es			
A.1	Permanent Work (From Part A Estimate)								\$ -
							1	ı	
A.2	Non-Permanent Job Specific Work (From Par	t A Estin	nate)						\$ -
		Pa	art A Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DARTR		Can	and Demilia	manta and Can	anal Candition				
PART B		Gene	erai Requirei	ments and Gen	ierai Condition	S			
B.1	General Requirements		nge o High		Enter %	in Appropriat	te Column		
	Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0%	6.0%			Потрогория	- Columni		
	Temporary Services & Utilities  Quality Control	0.0%	1.0%						
	Submittals	0.0%	5.0%						
				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B.2	General Conditions (4.25%)								
	Constitution ( Marin)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Da	art B Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		1 6	art B Total	Ψ -	Ψ -	φ -	ų -	Ψ -	•
	PART A thro	ugh B Sl	JBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PART C			Constructi	on Cost Contir	ngencies				
		De							
C.1	Design-Phase Scope Contingencies		nge o High		Enter %	in Appropriat	te Column		
	Preliminary Engineering Analysis Working Drawings	15.0%	20.0%						
	Working Drawings	2.0%	10.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
					Enter 9/	in Appropriat	to Column		
C.2	Facility or Project Constructability Facility or Project Type and Complexity	(Soo IG f	for Values)		Enter %	in Appropriat	le Column	1	
	Tability of Project Type and Complexity	(See IG I	or values)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C.3	Access, Storage & Staging Contingencies		nge o High		Enter %	in Appropriat	te Column		
	Access Contingencies	1.0%	4.0%		Lintoi 70	Пторпорпа	Column		
	Storage Contingencies Staging Contingencies	1.0%	4.0% 4.0%						
	otaging contingencies	1.070	4.070	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C.4	Economies of Scale		0.0%						
0.4	Economics of State		0.070	0%	0%	0%	0%	0%	
				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Pa	art C Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	PART A thro	uab C SI	IDTOTAL	¢	\$ -	\$ -	\$ -	\$ -	œ.
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PART D		Ge	eneral Contr	actor's Overhe	ad and Profit				
D.1	GC's Home Office Overhead		7.7%						
5	Continue cines evented		1.1 /0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
D.2	GC's Insurance, Payment & Performance Bor	nde	3.3%						
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		onstruction	10.0%	Select a top box New Contruct		roject, and applicab Repair/Retrofi		apply the factor.	
D.3	Rep General Contractor's Profit	oair/Retrofit	10.0%	New Contruct		Repair/Retron			
				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Da	art D Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	PART A thro	ugh D Sl	JBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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		Union H	igh Sc	chool D	istric	t - E	Build	ling	Repa	air						
					Repa	air	н	ИP	\$	-	\$	-	\$	-		Total
PART E				Cost	Escalatio	n Fact	ors									
			Mantha	Monthly			0.0									
_			Months	Factor	<u> </u>				1 .		Т.,		1 .		<u> </u>	
E	Cost Escalation Factor				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
		PART A thro	ugh E Sl	JBTOTAL	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
PART F	Dian Basian Face			Plan Review a	ind Constr	uction l	Permit C	Cost								
F.1	Plan Review Fees (List Individual Requirements Separately)						l						1			
	(List marvidual requirements deparately)															
															<u> </u>	
					\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
F.2	Construction Permit Fees								1				1			
	(List Individual Requirements Separately)															
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PART G G	Applicant's Reserve for Change	Orders		Applicant's F	Reserve to	r Chan	ge Orae	rs								
	Applicant 5 Reserve for Change	Orders		7.0%	\$	_	\$	-	\$	-	\$	-	\$	-	\$	_
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		PART A throu	ıgh G Sl	JBTOTAL		-	\$	-	\$	-	\$	-	\$		\$	-
		PART A throu			\$	-		-		-	\$	-	\$	-	\$	-
PART H	Applicant's Project Managemen		Applica	ant's Project	\$ Manager	- nent a	ınd Des	ign Co	sts	-		-		-	\$	-
	Applicant's Project Managemen		Applica		\$	- ment a		ign Co		-	\$	-	\$	-	\$	-
PART H	Applicant's Project Managemen		Applica	ant's Project	\$ Manager	nent a	ind Des	ign Co	sts	-		-		- - -	\$	-
PART H	A/E Design Contract Cost		Applica ase	ant's Project 1.0%	\$ Manager	-	and Des	-	sts	-	\$	-	\$	-	\$	
PART H H.1	A/E Design Contract Cost Above Average Complexity (Curve A)		Applica	ant's Project 1.0% 0.0%	\$ Manager \$	-	s	- -	sts S	-	\$	-	\$	-	\$	-
PART H H.1	A/E Design Contract Cost		Applica ase	ant's Project 1.0%	\$ Manager	-	and Des	-	sts	-	\$	-	\$	-	\$	-
PART H H.1	A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B)		Applica	1.0% 0.0% 0.0%	\$ Manager \$ \$ \$ \$ \$ \$ \$	-	s s	- - -	\$	-	\$ \$ \$	-	\$	-	\$	-
PART H H.1	A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B)	t - Design Pha	Applica	1.0% 0.0% 0.0%	\$ Manager \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- -	s \$		\$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$	- - -	\$ \$		\$	-
PART H H.1 H.2	A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services	t - Design Pha	Applica	0.0% 0.0% 0.0% 3.0%	\$ Manager \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- -	\$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$	- - -	\$ \$		\$	-
PART H H.1 H.2	A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services	t - Design Pha	Applica ase	0.0% 0.0% 0.0% 3.0%	S S S S S S S S S S S S S S S S S S S		s \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	-
PART H H.1 H.2	A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services	t - Design Pha	Applica	0.0% 0.0% 0.0% 0.0% 0.0% art H Total	S S S S S S S S S S S S S S S S S S S		s s s s		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	-
PART H H.1 H.2	A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services	t - Design Pha	Applica	0.0% 0.0% 0.0% 0.0% 0.0% art H Total	S S S S S S S S S S S S S S S S S S S		s \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	-
PART H H.1 H.2	A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services	t - Design Pha	Applica	0.0% 0.0% 0.0% 0.0% 0.0% art H Total	\$ Manager \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		s s s s		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	

	Union	High S	School	District - E	Buil	lding R	Repair						
		<u> </u>		Repair		НМР		-	\$ -		\$ -		Total
PART A			Base Costs	for Construction	Worl	k-In Trades							
A.1	Permanent Work (From Part A Estimate)			\$ 69,952	\$	21,840						\$	91,792
A.2	Non-Permanent Job Specific Work (From Par	t A Estim	ato)	\$ 20,360								•	20,360
A.2	Non-1 ermanent 300 Opecinic Work (110m1 ar			,								Ψ	20,300
		P	art A Total	\$ 90,312	\$	21,840	\$	-	\$	-	\$ -	\$	112,152
PART B		Ge	eneral Requi	rements and Ger	neral	Conditions							
		Ra	inge										
B.1	General Requirements Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0%	6.0%		1	Enter % i	n Appropi	iate	Column			-	
	Temporary Services & Utilities	0.0%	1.0%										
	Quality Control Submittals	0.0%	1.0% 5.0%	2.00%		2.00%							
		0.070		\$ 1,806	\$	437	\$	- 1	\$		\$ -	\$	2,243
B.2	General Conditions (4.25%)			<b>V</b>		⊽	П		П				
				\$ 3,838	_	928	\$	- [	\$	-	\$ -	\$	4,766
		P	art B Total	\$ 5,645	\$	1,365	\$	- 1	\$	. 1	\$ -	\$	7,010
	DART A II				_								
	PART A thro	ougn B S	UBIOTAL	\$ 95,957	\$	23,205	\$	- 1	\$	-	\$ -	\$	119,162
PART C			Constru	ction Cost Contir	ngeno	cies							
			inge				_						
C.1	Design-Phase Scope Contingencies Preliminary Engineering Analysis	15.0%	20.0%		1	Enter % i	n Appropi	riate	Column				
	Working Drawings	2.0%	10.0%	2.00%	_	10.00%							
				\$ 1,919	\$	2,321	\$	- :	\$	-	\$ -	\$	4,240
C.2	Facility or Project Constructability					Enter % i	n Appropi	iate	Column				
	Facility or Project Type and Complexity	(See IG	for Values)	\$ -	\$		\$	- 1	\$ .	_	\$ -	\$	-
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C.3	Access, Storage & Staging Contingencies		nge o High			Enter % i	n Annron	riate	Column				
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	Storage Contingencies Staging Contingencies	1.0%	4.0% 4.0%	1.00%		1.00%							
	Staging Contangenties	1.070	4.070	\$ 960	\$	232	\$	-	\$	-	\$ -	\$	1,192
C.4	Economies of Scale		0.0%	П		П	П						
				\$ -	\$	-	\$	-	\$		\$ -	\$	-
		P	art C Total	\$ 2,879	\$	2,553	\$	- [	\$ .	- ]	\$ -	\$	5,431
	PART A thro	ough C SI	LIRTOTAL	\$ 98,835	\$	25,758	\$	. 1	\$	. 1	\$ -	\$	124,593
	TANTAUN						Ψ		Ψ		Ψ	Ψ	124,000
PART D			General Co	ntractor's Overhe	ead ar	nd Profit							
D.1	GC's Home Office Overhead		7.7%	<u> </u>		<b>V</b>							
				\$ 7,610	\$	1,983	\$	-	\$	-	\$ -	\$	9,594
D.2	GC's Insurance, Payment & Performance Bon	ıds	3.3%			<b>V</b>							
	New C	Construction	10.0%	\$ 3,262 Select a top bo		850 he type of pro			sottom boxes	to ap	\$ - oply the factor.	\$	4,112
		pair/Retrofit		New Constructi	ion		Repair/Re		7				
D.3	General Contractor's Profit			▼ 40.074	_	2.050		- 11	<u> </u>				40.000
				\$ 10,971		2,859		-		.	\$ -	\$	·
		P	art D Total	\$ 21,843	\$	5,692	\$	- [	\$	- ]	\$ -	\$	27,535
	PART A thro	ough D SI	UBTOTAL	\$ 120,678	\$	31,450	\$	-	\$		\$ -	\$	152,128

					R	epair	Ī	НМР	\$	-	\$	-	\$	-		Total
ΤE				Co	st Esca	lation Fact	tors									
		м	lonths	Monthly												
E	Cost Escalation Factor		8	<b>Factor</b> 0.188%	\$	1,815	¢	473	¢		\$		\$		\$	2,
_	Cost Escalation 1 actor		0	0.10070	Ψ	1,010	Ψ	473	Ψ		Ψ		Ψ		Ψ	۷,
	P	ART A throug	gh E S	UBTOTAL	\$	122,493	\$	31,923	\$	-	\$	-	\$	-	\$	154,
ΤF				Plan Reviev	v and Co	onstruction	Permit	t Cost								
.1	Plan Review Fees															
	Montgomery County Public Works				\$	1,341	\$	315							_	
					\$	1,341	\$	315	\$	-	\$	-	\$	-	\$	1
.2	Construction Permit Fees				l											
	Montgomery County Building Construction Pe	ermit Fee			\$	2,682	\$	631							1	
											1				_	
					\$	2,682	\$	631	\$	-	\$	-	\$	-	\$	3
			р	art F Total	•	4,023	¢	946	¢	_	\$	_	\$		•	4
			Г	all F TUlai	Ф	4,023	Φ	940	Þ		Ф		à		Ф	4
	P.	ART A through	ah F S	IIRTOTAL	Ф	126,516	\$	32.869	\$		\$	_	\$		\$	159
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			, o					. ,	Ψ		Φ		Ţ		Ψ	
	Applicant's Pacerya for Change Or		, o	Applicant'	s Reser	ve for Chan	nge Ord	ders								
	Applicant's Reserve for Change Ord						nge Ord	ders	\$		\$		\$	_	\$	
		ders		Applicant <sup>®</sup>	s Reser	ve for Chan 8,856	nge Ord	2,301	\$		\$	-	\$		\$	11
				Applicant <sup>®</sup>	s Reser	ve for Chan	nge Ord	ders		- -	\$	-			\$	11
3		ders	jh G S∣	Applicant' 7.0%  UBTOTAL	s Reserve	8,856	s \$	2,301 35,170	\$	<u>.</u>	\$	- -	\$		\$	11
TH	P/	<mark>ders</mark> ART A throug	jh <b>G S</b> l	Applicant' 7.0%  UBTOTAL	s Reserved	8,856	s \$	2,301 35,170 esign Cost	\$	- - -	\$	- - -	\$		\$	11
TH		<mark>ders</mark> ART A throug	jh <b>G S</b> l	Applicant' 7.0%  UBTOTAL	s Reserve	8,856	\$	2,301 35,170 esign Cost	\$	-	\$	- - -	\$		\$	11 170
т G Б	P/ Applicant's Project Management - D	<mark>ders</mark> ART A throug	jh <b>G S</b> l	Applicant' 7.0%  UBTOTAL	s Reservers \$	8,856 135,372 agement a	\$	2,301 35,170 esign Cost	\$	-	\$	-	\$	-	\$	11 170
TH	Applicant's Project Management - D  A/E Design Contract Cost	<mark>ders</mark> ART A throug	jh G S	Applicant' 7.0%  UBTOTAL  licant's Proje 1.0%	\$ Reserved \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8,856 135,372 agement a	\$ \$ and De	2,301 35,170 ssign Cost	\$		\$		\$	-	\$	11 170
F Η .1	Applicant's Project Management - D  A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B)	<mark>ders</mark> ART A throug	App	Applicant' 7.0%  UBTOTAL	\$ Reserved S	8,856 135,372 agement a	\$ \$ and De	2,301 35,170 esign Cost	\$	- - - - - - -	\$	-	\$ \$ \$ \$	-	\$	11 170
TH1	Applicant's Project Management - D  A/E Design Contract Cost Above Average Complexity (Curve A)	<mark>ders</mark> ART A throug	gh G S	Applicant' 7.0%  UBTOTAL  licant's Projet 1.0%	\$ Reserved \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8,856 135,372 agement a 1,354	\$ sand De	2,301 35,170 25ign Cost 352 - 2,906	\$ \$ \$	-	\$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	111
TH1	Applicant's Project Management - D  A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services	ders  ART A throug  Design Phase	App	Applicant' 7.0%  UBTOTAL  Ilicant's Proje 1.0%  10.5% 8.3%	s Reserves	8,856 135,372 agement a 1,354 - 11,185 - 11,185	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,301 35,170 35,170 352 - 2,906 - 2,906	\$	-	\$	-	\$ \$ \$ \$		\$ \$	111
TH1	Applicant's Project Management - D  A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B)	ders  ART A throug  Design Phase	App	Applicant' 7.0%  UBTOTAL  Ilicant's Proje 1.0%  10.5% 8.3%	s Reserved S	8,856 135,372 agement a 1,354 11,185 - 11,185	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,301 35,170 35,170 352 352 - 2,906 - 2,906	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$	110 170 1,
TH 1	Applicant's Project Management - D  A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services	ders  ART A throug  Design Phase	App	Applicant' 7.0%  UBTOTAL  dicant's Proje 1.0%  10.5% 8.3% 3.0%	s Reserves	8,856 135,372 agement a 1,354 - 11,185 - 11,185	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,301 35,170 35,170 352 - 2,906 - 2,906	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$	110 170
TH 1	Applicant's Project Management - D  A/E Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services	ders  ART A throug  Design Phase	App	Applicant' 7.0%  UBTOTAL  dicant's Proje 1.0%  10.5% 8.3% 3.0%	s Reserved S	8,856 135,372 agement a 1,354 11,185 - 11,185	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,301 35,170 35,170 352 352 - 2,906 - 2,906	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11 170 1 1 14
TH .1	Applicant's Project Management - Design Contract Cost Above Average Complexity (Curve A) Average Complexity (Curve B) Basic Construction Inspection Services  Project Management - Construction	ders  ART A throug  Design Phase	App	Applicant's 7.0%  UBTOTAL  Ilicant's Project 1.0%  10.5%  8.3%  3.0%  6.0%	S S S S S S S S S S S S S S S S S S S	8,856 135,372 agement a 1,354 - 11,185 - 11,185 - 8,122	s s s s s s s s s s s s s s s s s s s	2,301 35,170 35,170 sign Cost 352 - 2,906 - 2,906 7 2,110	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	S   S   S   S   S   S   S   S   S   S		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11 170

## **Total Project Summary**

	union High School District - Bulla.	mpleted	Un	completed		Total
PART A	"Base Costs" for Construction Work In Trades	\$	\$	112,152	\$	112,152
	A.1 Permanent Work	\$ -	\$	91,792	\$	91,792
	A.2 Non-Permanent Job Specific Work (From Part A Estimate	\$ -	\$	20,360	\$	20,360
PART B	General Requirements and General Conditions	\$ -	\$	7,010		7,010
	B.1 General Requirements	\$ 	\$	2,243	\$	2,243
	B.2 General Conditions	\$ -	\$	4,766	\$	4,766
PART C	Construction Cost Contingencies (Design and Construction)	\$ -	\$	5,431	\$	5,431
	C.1 Standard Design-Phase Scope Contingencies	\$ -	\$	4,240	\$	4,240
	C.2 Facility or Project Constructability	\$ -	\$	-	\$	-
	C.3 Access, Storage, and Staging Contingencies	\$ -	\$	1,192	\$	1,192
	C.4 Economies of Scale in New Construction	\$ -	\$	-	\$	-
PART D	General Contractor's Overhead and Profit	\$ -	\$	27,535	\$	27,535
	D.1 General Contractor's Home Office Overhead Costs	\$ -	\$	9,594	\$	9,594
	D.2 General Contractor's Insurance, Payment, and Performa	\$ -	\$	4,112	\$	4,112
	D.3 Contractor's Profit	\$ _	\$	13,830	\$	13,830
PART E	Cost Escalation Allowance	\$ -	\$	2,288	\$	2,288
PART F	Plan Review and Construction Permit Costs	\$ -	\$	4,969	r i	4,969
	F.1 Plan Review Fees	\$ _	\$	1,656	\$	1,656
	F.2 Construction Permit Fees	\$ -	\$	3,313	\$	3,313
PART G	Applicant's Reserve for Construction	\$ -	\$	11,157	\$	11,157
PART H	Applicant's Project Management and Design Costs	\$	\$	26,029	\$	26,029
	H.1 Applicant's Project Management - Design Phase	\$ -	\$	1,705	\$	1,705
	H.2 Architecture & Engineering Design Contract Costs	\$ _	\$	14,091	\$	14,091
	H.3 Project Management - Construction Phase	\$ -	\$	10,233	\$	10,233
	Complete Project Total for Completed and Uncompleted Work	\$ -	\$	196,570	\$	196,570