## CONSTRUCTION DOCUMENTS | COST ANALYSIS

Hardin County Schools Name:

John Hardin HS - Security Vestibule Elizabethtown, Kentucky

Date: 11.11.16

**Building Information** 

Area (G.S.F.) 555

Total Renovation Floor Area:

DIVISION 2 - SITE IMPROVEMENTS   Selective Demolilion   3 -0" x 7"-2" HM Doors with Full Vision Glass   PR	Item	Unit Description	Cost Per Unit	х	Number of Units	=	Estimated Projected Cost	% Const.
DIVISION 2 - SITE IMPROVEMENTS   Selective Demolition   3:-0' x 7:-2' IMJ Doors with Full Vision Glass   PR								
Selective Demolition	General Conditions	Per	10.0%	Χ	40,091	=	\$4,009	8.55%
3-0 x 7-2 + BM Doors with Full Vision Glass	DIVISION 2 - SITE IMPROVEMENTS							
HM Frame System with Full Vision ¼" Glass(22*L x 10*H estimated) SF 7.50 x 2.20 = \$1,650 B* CMU SF 1.16 x 3.2 = \$3.75 SF 1.75 SF 1.16 x 3.2 = \$3.75 SF 1.75 SF	Selective Demolition							
8° CMU	3'-0" x 7'-2" HM Doors with Full Vision Glass	PR	49.00	Χ	2	=	\$98	5.99%
VCT   SF	HM Frame System with Full Vision 1/4" Glass(22'L x 10'H estimated)	SF	7.50	Χ	220	=	\$1,650	
Vinyl Base	8" CMU	SF	1.16	Χ	32	=	\$37	
2x2 Celling Tile with Grid (Assumed)  SF 0.62 X 555 = \$344 Gypsum Board Soffit (Assumed)  SF 1.29 X 100 = \$129  DIVISION 3 - CONCRETE  DIVISION 4 - MASONRY  8° CMU - Cut and Patch  SF 0.93 X 555 = \$516  DIVISION 5 - METALS  DIVISION 6 - WOOD & PLASTICS  Rough Hardware  LS. 6% X 100 = \$6 Blocking, Nailers, Shim  LS. 100.00 X 1 = \$100  DIVISION 7 - THERMAL & MOISTURE PROTECTION  DIVISION 7 - THERMAL & MOISTURE PROTECTION  DIVISION 8 - DOORS & WINDOWS  3°.0° X 7'.2° Tslained Wood Door with Halif Vision Glass  EA. 425.00 X 1 = \$425 3°.0° X 7'.2° Halined Hind Door Frame  EA. 355.00 X 1 = \$425 3°.0° X 7'.2° Hind Doors with Full Vision Glass  EA. 620.00 X 4 = \$2,480 HM Frame System with Full Vision Mr Glass (22'L x 10'H estimated)  For the first of the first of the stimated of the stimat	VCT	SF	0.93	Χ	555	=	\$516	
2X2 Ceiling Tile with Grid (Assumed) SF 0.62 X 555 = \$344 Gysum Board Soffit (Assumed) SF 1.29 X 100 = \$129  DIVISION 3 - CONCRETE  DIVISION 4 - MASONRY 8" CMU - Cut and Patch SF 0.93 X 555 = \$516  DIVISION 5 - METALS  DIVISION 5 - METALS  DIVISION 6 - WOOD & PLASTICS ROugh Hardware LS 6% X 100 = \$6 Blocking, Naliers, Shim LS 1000  DIVISION 7 - THERMAL & MOISTURE PROTECTION  DIVISION 8 - DOORS & WINDOWS  3".0" x" 7-2" Stained Wood Door with Half Vision Glass EA 425.00 X 1 = \$425 3".0" x" 7-2" Stained Wood Door with Full Vision Glass EA 620.00 X 4 = \$425 3".0" x" 7-2" Half Doors with Full Vision Glass EA 620.00 X 4 = \$425 3".0" x" 7-2" HIND DOORS WITH Full Vision Glass EA 620.00 X 4 = \$425 3".0" x" 7-2" HIND DOORS WITH Full Vision Glass EA 620.00 X 4 = \$425 3".0" x" 7-2" HIND DOORS WITH Full Vision Glass EA 620.00 X 4 = \$425 3".0" x" 7-2" HIND DOORS WITH Full Vision Glass EA 620.00 X 4 = \$425 3".0" x" 7-2" HIND DOORS WITH Full Vision Glass EA 620.00 X 5 = \$425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND DOORS WITH Full Vision Start EA 5425 3".0" x" 7-2" HIND EA	Vinyl Base	LF	0.47	Х	75	=	\$35	
Cypsum Board Soffit (Assumed)   SF   1.29   X   100   =   \$129	*	SF			555	=	\$344	
B' CMU - Cut and Patch   SF   0.93   x   555   =   \$516								
B* CMU - Cut and Patch   SF   0.93   x   555   =   \$516	DIVISION 3 - CONCRETE							
8° CMU - Cut and Patch  8° CMU - September	DIVISION 4 - MASONRY							
DIVISION 6 - WOOD & PLASTICS  Rough Hardware		SF	0.93	Х	555	=	\$516	1.10%
Rough Hardware   L.S.   6%   X   100   =   \$6   \$6   \$6   \$6   \$6   \$6   \$6	DIVISION 5 - METALS							
Blocking, Nailers, Shim   L.S.   100.00   X   1   =   \$100   \$1	DIVISION 6 - WOOD & PLASTICS							
DIVISION 7 - THERMAL & MOISTURE PROTECTION  DIVISION 8 - DOORS & WINDOWS  3'-0" x 7'-2" Stained Wood Door with Half Vision Glass  EA. 425.00 x 1 = \$425 4 3'-0" x 7'-4" Painted HM Door Frame  EA. 355.00 x 1 = \$355 3'-0" x 7'-2" HM Doors with Full Vision Glass  EA. 620.00 x 4 = \$2,480 HM Frame System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision 1/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  From System with Full Vision I/4" Glass (22'L x 10'H estimated)  Fro	Rough Hardware	L.S.	6%	Χ	100	=	\$6	0.23%
DIVISION 8 - DOORS & WINDOWS  3'-0" x 7'-2" Stained Wood Door with Half Vision Glass	Blocking, Nailers, Shim	L.S.	100.00	Χ	1	=	\$100	
3°-0" x 7′-2" Stained Wood Door with Half Vision Glass  EA. 425.00 x 1 = \$425 4 3°-0" x 7′-4" Painted HM Door Frame  EA. 355.00 x 1 = \$355 3°-0" x 7′-4" Painted HM Door Frame  EA. 355.00 x 1 = \$355 3°-0" x 7′-2" HM Doors with Full Vision Glass  EA. 620.00 x 4 = \$2,480 HM Frame System with Full Vision ¼" Glass (22'L x 10'H estimated)  FF 37.05 x 220 = \$8,151 Hardware   BIVISION 9 - FINISHES  Painting  Door Frames - (Metal)  Walls  Cellings / Soffits  Caulking  VCT  S.F. 1.27 x 1,100 = \$1,397 Caulking  VCT  S.F. 1.09 x 100 = \$109 VCT  S.F. 4.29 x 555 = \$109 VCT  Rubber Base  L.F. 4.57 x 75 = \$3,096 Celling - 2'x2' - w/ Grid  Celling - 2'x2' - w/ Grid  Celling - GWB	DIVISION 7 - THERMAL & MOISTURE PROTECTION							
3'-0" x 7'-4" Painted HM Door Frame  EA. 355.00 X 1 = \$355 3'-0" x 7'-2" HM Doors with Full Vision Glass EA. 620.00 X 4 = \$2,480 HM Frame System with Full Vision ¼" Glass (22'L x 10'H estimated) SF 37.05 X 220 = \$8,151 Hardware  Set 1,500.00 X 5 = \$7,500   DIVISION 9 - FINISHES  Painting  Door Frames - (Metal) EA. 63.25 X 16 = \$1,012 1 Walls S.F. 1.27 X 1,100 = \$1,397 Cellings / Soffits Caulking  VCT S.F. 1.27 X 555 = \$109 VCT S.F. 4.29 X 555 = \$109 VCT Rubber Base L.F. 4.57 X 75 = \$3,096 Celling - 2'x2' - w/ Grid Celling - GWB S.F. 5.58 X 555 = \$3,096 Celling - GWB	DIVISION 8 - DOORS & WINDOWS							
3'-0" x 7'-2" HM Doors with Full Vision Glass  EA. 620.00	3'-0" x 7'-2" Stained Wood Door with Half Vision Glass	EA.	425.00	Χ	1	=	\$425	40.319
HM Frame System with Full Vision ¼" Glass (22'L x 10'H estimated) SF 37.05 x 220 = \$8,151 Hardware Set 1,500.00 x 5 = \$7,500 ST,500 ST,	3'-0" x 7'-4" Painted HM Door Frame	EA.	355.00	Χ	1	=	\$355	
Set   1,500.00   X   5   =   \$7,500	3'-0" x 7'-2" HM Doors with Full Vision Glass	EA.	620.00	Χ	4	=	\$2,480	
Set   1,500.00   x   5   =   \$7,500	HM Frame System with Full Vision ¼" Glass (22'L x 10'H estimated)	SF	37.05	Х	220	=	\$8,151	
Painting         Door Frames - (Metal)       EA.       63.25		Set	1,500.00	Х	5	=	\$7,500	
Door Frames - (Metal)       EA.       63.25 X       16 =       \$1,012 1       1         Walls       S.F.       1.27 X       1,100 =       \$1,397         Ceilings / Soffits       S.F.       1.09 X       100 =       \$109         Caulking       S.F.B       0.20 X       555 =       \$109         VCT       S.F.       4.29 X       555 =       \$2,381         Rubber Base       L.F.       4.57 X       75 =       \$342         SAT Ceiling - 2'x2' - w/ Grid       S.F.       5.58 X       555 =       \$3,096         Ceiling - GWB       S.F.       5.62 X       100 =       \$562	DIVISION 9 - FINISHES							
Door Frames - (Metal)       EA.       63.25	Painting							
Walls       S.F.       1.27 x       1,100 =       \$1,397         Ceilings / Soffits       S.F.       1.09 x       100 =       \$109         Caulking       S.F.B       0.20 x       555 =       \$109         VCT       S.F.       4.29 x       555 =       \$2,381         Rubber Base       L.F.       4.57 x       75 =       \$342         SAT Celling - 2'x2' - w/ Grid       S.F.       5.58 x       555 =       \$3,096         Celling - GWB       S.F.       5.62 x       100 =       \$562	9	EA.	63.25	Х	16	=	\$1.012	19.849
Ceilings / Soffits       S.F.       1.09 x       100 =       \$109         Caulking       S.F.B       0.20 x       555 =       \$109         VCT       S.F.       4.29 x       555 =       \$2,381         Rubber Base       L.F.       4.57 x       75 =       \$342         SAT Celling - 2'x2' - w/ Grid       S.F.       5.58 x       555 =       \$3,096         Celling - GWB       S.F.       5.62 x       100 =       \$562		S.F.	1.27	Х	1,100	=		
Caulking       S.F.B       0.20 x       555 =       \$109         VCT       S.F.       4.29 x       555 =       \$2,381         Rubber Base       L.F.       4.57 x       75 =       \$342         SAT Celling - 2'x2' - w/ Grid       S.F.       5.58 x       555 =       \$3,096         Celling - GWB       S.F.       5.62 x       100 =       \$562								
VCT     S.F.     4.29 X     555 =     \$2,381       Rubber Base     L.F.     4.57 X     75 =     \$342       SAT Celling - 2'x2' - w/ Grid     S.F.     5.58 X     555 =     \$3,096       Celling - GWB     S.F.     5.62 X     100 =     \$562	· ·							
Rubber Base       L.F.       4.57 x       75 =       \$342         SAT Celling - 2'x2' - w/ Grid       S.F.       5.58 x       555 =       \$3,096         Celling - GWB       S.F.       5.62 x       100 =       \$562								
SAT Ceiling - 2'x2' - w/ Grid S.F. $5.58 \times 555 = $3,096$ Ceiling - GWB S.F. $5.62 \times 100 = $562$								
Ceiling - GWB S.F. 5.62 X 100 = \$562								
· · · · · · · · · · · · · · · · · · ·								
waiis - ratefility α repair L.S. 500.00 χ I = \$300	9							
	wais - Latering a repair	L.J.	300.00	٨	1	=	\$300	

JRA Project No. 201576 1 Project Estimate Hardin County Schools John Hardin HS - Security Vestibule Elizabethtown, KY

ltem	Unit Description	Cost Per Unit X	Number of Units =	Estimated Projected Cost	% Const.
DIVISION 10 - SPECIALTIES					
DIVISION 11 - EQUIPMENT					
DIVISION 12 - FURNISHINGS					
DIVISION 13 - SPECIAL CONSTRUCTION					
DIVISION 14 - CONVEYING SYSTEMS					
DIVISION 15 - MECHANICAL					
HVAC Systems - Relocate	L.S.	1,000.00 X	1 =	\$1,000	22.92%
Fire Protection - Relocate	L.S.	750.00 X	1 =	\$750	
Security - Power & Control	Door	3,000.00 X	3 =	\$9,000	
DIVISION 16 - ELECTRICAL					
Lighting - Relocate	L.S.	500.00 X	1 =	\$500	1.07%
	DIVISION SUBTO	DTALS			100%
		ENERAL CONDITIONS		\$4,009	8.55%
	DIVISION 2 - EX	ISTING CONDITIONS		\$2,810	5.99%
	DIVISION 4 - M.			\$516	1.109
		OOD & PLASTICS		\$106	0.23%
		OORS & WINDOWS		\$18,911	40.31%
	DIVISION 9 - FIN			\$9,308	19.84%
	DIVISION 15 - N			\$10,750	22.92%
	DIVISION 16 - E	LECTRICAL		\$500	1.07%
	SUBTOTAL			\$46,910	100%
	Overhead	10% X	46,910 =	\$4,691	
		Subtotal		\$51,601	
	Bond	3.00% X	51,601 <sub>=</sub>	\$1,548	
		Subtotal		\$53,149	
	Profit	5.00%	53,149 =	\$2,657	
	TOTAL			\$55,806	
	Cost per SF	55,806 /	555 =	\$100.55	

JRA Project No. 201576 2