

"The story that a building tells through its design may be as important to the community it serves as is its function. By shaping our thoughts about ourselves and our institutions, it will directly affect our efforts to work productively together."

- Justice Stephen G. Breyer (United States Supreme Court, 1994 - 2022)

"Public buildings often accurately reflect the beliefs, priorities, and aspirations of a people. For much of history, the courthouse has served not just as a local center of the law and government but as a meeting ground, cultural hub, and social gathering place."

- Justice Lewis F. Powell, Jr. (United States Supreme Court, 1972-1987)

Security

Inefficient Systems Limited DA Attorney space Public Compromised Unreconcilable Issues Judges Compromised Limited Clerk Space Inadequate Court & Jury Rooms Witnesses Compromised Inadequate space for separate secure zones

Why we are doing this project

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February 24th 2005: Smith County Courthouse Shooting

"The tragedy demonstrates what utilizing old, non-secure, and outdated courthouses can cost in human lives and lost confidence in our institutions of government."

STATES I NEED AND

Safe, Meaningful, and Efficient Access to Justice Civic Destination

State of the State of State

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The "Front Porch" of the Public Realm

Community Anchor

Best Practices

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The Foundation for Success



AS THE ARCHITECT WE:

Protect the owner's interests, ensure the project's success, deliver a high-quality, functional, safe & aesthetically pleasing building aligning with smith county's vision while maximizing the voter approved budget.

- -

- Design & planning
- Collaboration and communication
- Contract administration
- Construction oversight
- Quality control
- Regulatory compliance
- Budget management
- Stakeholder management
- Risk management



Timeline Review: A Project 25 years in the making

				..	December, 2019	Project Advocates compare	s relative cost of	floor plan prot	otypes:
2000	Master Plan prepared by Wiginton Hooker Jeffrey / The SGS Group Considered 8	June 9, 2006	Commissioners Court approved a Limited Scope Proj	ject including:		Compact Plan achieves a	savings of 23,6	53 SF or \$8M	
	options for facility needs projected for 2020.		 Bullet resistant glass for first floor windows 321st Court relocated to open space 						
	Recommended Option 3:		Re-roof building						
	Construct New Courthouse 232,500 SF		 Door for Judges' access from parking Mechanical, controls, lighting, fire alarm, and sect 	urity upgrades	January 28, 2020	First Courthouse Planning	Norkshop with C	ommissioners	Court and Site
	 Locate on West side of square on Fountain Plaza Purchase 200 E. Ferguson Building for Annex functions 					Selection process, consider			
	 Demolish existing courthouse & create Plaza 	August 7, 2006	Commissioners Court approved GMP for Maintenanc	e Contract		Gulf States			
	Construct New Parking Garage - 300 spaces		· · · · · · · · · · · · · · · · · · ·			 TB Butler Square Reunified Square 			
	2000 Estimated Cost: \$ 63M 2020 Construction Inflation Adjusted Cost: \$138M					 Juror Parking East Square 			
		October 2007	Jail and Justice Facilities Master Plan completed by C	Carter Goble Lee presented to		 East Square Spring Ave 			
2002	Fitzpatrick Architects prepared plans for renovation of 6 floors of the Smith County		Commissioners Court recommending:						
	Annex Building (HGR - Construction Manager).		New Jail Expansion \$350/sf New Courthouse \$275/sf	\$134,750,000 \$77,000,000					
	The following Functions were moved from the Courthouse to Annex (42,000 SF):		New Parking Garage 900 spaces	\$ 13,500,000					
	County Clerk Offices & Records		Renovate Existing Courthouse Total Projected Cost	\$ 6,250,000 \$231,500,000					
	 Commissioners Court & Offices Auditor, Treasurer, Purchasing, Human Resources, & Elections Offices 		New Courthouse was recommended to be located on	block due South of	February 2020	Fitzpatrick Architects update	e potential site lo	cations based	on input. Project
			the existing County Jail.	block due South of		Advocates identify relative			,
July 2003	With the Annex Project under way, Fitzpatrick Architects were asked to prepare a Space Plan to relocate remaining Courthouse occupants and improve the function of		2007 Estimated Cost:	\$ 77M		Offset West from Center		1.4M	
	the Courthouse.		2020 Construction Inflation Adjusted Cost:	\$128M		 Center of Broadway East Edge of Square 		3.3M 3.0M	
	The plan called for renovating 41,000 SF of the Courthouse:					 Ferguson East of RR 	\$1	7.7M 2.8M	
	Estimated Cost \$4,985,642	November 4, 2008	A \$59.6M bond proposal for jail expansion and renova	ation failed to receive voter		Juror Parking	φ14	2.011	
	Estimated Cost \$4,563,042		approval.						
June 14, 2004	Fitzpatrick Architects were hired to prepare drawings to renovate the Courthouse, a plan that would provide:								
		May 2011	A \$35M bond proposal for jail expansion and renovati	ion received voter approval.	February 11, 2020	Second Courthouse Plannin Commissioners approve Ea			
	New 321st District Court Enlarged Central Jury Room					a site premium cost savin			uninouse site.
	Enlarged Jury Deliberation Rooms Accessible Restrooms								
	Renovate 4th Floor for District Attorney's Offices	January, 2019 -	Informal discussions between Judge Moran and Fitzp	patrick Architects regarding	February 2020	Smith County purchases 3	oroperties on Ea	et Edge of Squ	are with cash
	Documents were being prepared for Construction.	April 19, 2019	needed safety and security improvements and how to		Tebruary 2020	Smith County purchases 5		st Luge of Oqt	are with cash.
			needs for Smith County and the Tyler community.						
February 24, 2005	Courthouse Shooting				Mar. 0000	Elemental de Arabitante anno e			
October 20, 2005	Proposed Security Revisions planned by Commissioners Court:	July 9, 2019	Commissioners Court approved Professional Service Fitzpatrick Architects and Project Advocates for Smith		May 2020	Fitzpatrick Architects engage Gensler to conduct peer rev	views of concept		
000000. 20, 2000						overall area and improve ef	ficiency.		
	 2 Holding Cells in the basement for people in custody The addition of a stair and elevator for in-custody & Judges 	July 12, 2019	Judge Moran, Judge Russell, Commissioner Warr, Fil						
	 External security corridors to access courtrooms for in-custody and Judges Secure parking for Judges 		and Project Advocates toured Rockwall, Ellis, and Tar constructed Courthouses.	rrant Counties' recently	August 3, 2020	Fitzpatrick Architects, HDR,			
	New Security Screening Vestibule at west entry		constructed countribuses.			with Judge Moran and Proje national courthouse design			
	Estimated Cost: \$2,617,820	Ostober 4, 2040	First processing of Smith County Facility Chudy to C	en mineien en Court		safety and security infrastru	cture.	0	· ,
		October 1, 2019	First presentation of Smith County Facility Study to C	ommissioners Court.					
February 9, 2006	Construction Manager (HGR) received bids for existing Courthouse renovations								
1 cordary 5, 2000	with Security Revisions for a GMP of \$7,477,238.	October, 2019 - December, 2019	Smith County conducts Citizen Input Survey of potent and engages in discussions with community leaders t						
		···· ··· · · · · · · · · · · · · · · ·		·····					
		December, 2019	Kimley Horn conducts traffic impact study evaluating	how potential building site					2020 Construction Inflation Adjusted
April 20, 2006	Construction Manager (HGR) provided reduced scope for existing Courthouse renovations with Security Revisions for a GMP of \$5,996,437.	,	locations impact vehicular and pedestrian traffic with	specific emphasis on the					Cost:
	TEHOVATIONS WITH SECULITY REVISIONS IOL & GIMP OF \$5,896,457.		option to close Broadway Avenue and the impact on s	surrounding streets	2000	Wiginton Hooker Jeffrey	232,500 SF	\$63M	\$138M
		December, 2019	Fitzpatrick Architects develop floor plan prototypes ba	ared on Safety & Security and		The SGS Group Master Plan Recommendation			
May 8, 2006	Judge Clark made recommendation to address only maintenance issues involved	December, 2019	site requirements:	aced on Salety & Security allu	2007	Carter Goble Lee Master	280.000 SF	\$77M	\$128M
	in Courthouse project:		Elongated Floor Plan			Plan Recommendation			
	Approximate cost: \$3,780,000		Compact Floor Plan						
					2020	Proposed Design	264,000 SF		\$125M

June 6, 2006 Steve Fitzpatrick indicated to Judge Dempsey that there would be no need for Architects to be involved in maintenance only project saving professional fees.

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20	PROJECT ADVOCATES
ЦЦ	Your Project. Our Passium
FITZPATRICK	\$
ARCHITECTS	PROJECT ADVOCATES

fitzpatrick ARCHITECTS

Smith County Courthouse Project Development Timeline

2000 Master Plan prepared by Wiginton Hooker Jeffrey / The SGS Group Considered 8 options for facility needs projected for 2020. Recommended Option 3:

Construct New Courthouse 232,500 SF
 Locate on West side of square on Fourtain Plaza
 Purchase 200 E. Ferguson Building for Annex functions
 Demolish existing courthouse & create Plaza
 Construct New Parking Garage - 300 spaces

2000 Estimated Cost: \$ 63M 2020 Construction Inflation Adjusted Cost: \$138M

2002 Fitzpatrick Architects prepared plans for renovation of 6 floors of the Smith County Annex Building (HGR - Construction Manager). The following Functions were moved from the Courthouse to Annex (42,000 SF):

County Clerk Offices & Records
 Commissioners Court & Offices
 Auditor, Treasurer, Purchasing, Human Resources, & Elections Offices

- July 2003 With the Arens Project under way. Fegapticial Architects were adved to prepare a speece Pane to relocate memaing Countrouse occupants and improve the function of the Countrouse. The plan called for renovaling 41,000 SF of the Countrouse: Estimated Cost 54,065,02
- June 4, 204 Fizzarkić Architekt wer hind to prepare drawings to renovate the Courthouse, a in the standard provide the Court - Entraged Cardial Jun Room - Entraged Cardial Jun Room - Romande 4R: Procent Diskic Abarrey's Offices
 - Renovate 4th Floor for District Attorney's Unic
 Documents were being prepared for Construction.

February 24, 2005 Courthouse Shooting

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 - 2 Holding Cells in the basement for people in custody
 The addition of a star and elevator for in-custody & Judges
 External security controls to access controlsmon for in-custody and Judges
 Secure parking for Judges
 New Security Screening Vestibule at west entry

Estimated Cost: \$2,617,820

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2000

Wiginton Hooker Jeffrey The SGS Group Master

232,500 SF \$63M

280,000 SF \$77M \$128M

264 000 SE

\$125M

June 9, 2006	Commissioners Court approved a Linited Scope Project induding: Build resistant glass for fra filo worknows 321td Court relocated to goen space R-end Subjiding Door for Judges' access from parking Medicated: counts, fighting, file salam, and security upgrades	
August 7, 2006	Commissioners Court approved GMP for Maintenance Contract	
October 2007	Jail and Justice Facilities Master Plan completed by Carter Gobie Lee presented to Commissioners Court recommending: 53/01/4 51/34.750.000 • New Jail Equation \$3/01/4 \$1/34.750.000 5.700.000 • New Jail Equation \$3/01/4 \$1/34.750.000 5.700.000 • New Jaining Gazage \$0.930.000 \$1.300.000 \$2.050.000 • Total Projection Cost \$2.01.000.000 \$2.01.000.000 New controlsce was recommended to be located on block due South of the creating Court/Dual. \$2.92.200.000 2020 Estimated Initiation Adjusted Cost: \$2.7286	
November 4, 2008	A \$59.6M bond proposal for jail expansion and renovation failed to receive voter	
May 2011	approval. A \$35M bond proposal for jail expansion and renovation received voter approval.	
January, 2019 - April 19, 2019	Informal discussions between Judge Moran and Fitzpatrick Architects regarding needed safety and security improvements and how to best meet future facility needs for Smith County and the Tyler community.	
July 9, 2019	Commissioners Court approved Professional Services Agreement with Fitzpatrick Architects and Project Advocates for Smith County Facility Services.	
July 12, 2019	Judge Moran, Judge Russell, Commissioner Warr, Filzpatrick Architects, and Project Advocates toured Rockwall, Ellis, and Tarrant Counties' recently constructed Courthouses.	
October 1, 2019	First presentation of Smith County Facility Study to Commissioners Court.	
October, 2019 - December, 2019	Smith County conducts Citizen Input Survey of potential New Courthouse locations and engages in discussions with community leaders to assess community needs.	
December, 2019	Kimley Hom conducts traffic impact study evaluating how potential building site locations impact vehicular and pedestrian traffic with specific emphasis on the option to close Broadway Avenue and the impact on surrounding streets	
December, 2019	Fitzpatick Architects develop floor plan problypes based on Safety & Security and site requirements: - Elongated Floor Plan - Compact Floor Plan	
December, 2019	Project Advocates compares relative cost of floor plan prototypes: Compact Plan achieves a savings of 23,653 SF or \$8M.	
January 28, 2020 February 2020	Find Countinease Rewriting Workshop with Commissioners Court and Site Selection process, considered alls locations. • Out Otalies • TB Buffer Searce • Resulting Searce • Austral Parking • Joury Parking • Spring Ave	
,	Filzpätick Architects updates poderski alle liceations based on input. Project Advocates lidently faibles elle premiumo oscis: Officiel Witest from Center \$14.44 Center of Bosolowy \$13.34 Elli Statistica elli Statistica elli Statistica elli Statistica Programo East of RR \$17.74 Junor Panting \$12.84	
February 11, 2020	Second Courthouse Planning Workshop with Commissioners Court. Commissioners approve East Edge of Square as future courthouse site: a site premium cost savings of \$9.8M.	
February 2020	Smith County purchases 3 properties on East Edge of Square with cash.	
May 2020	Fitzpatrick Architects engage national courthouse design experts with HDR and Genster to conduct peer reviews of conceptual design, and collaborate to reduce overall area and improve efficiency.	
August 3, 2020	Filopatick Architeck, HDR, and Genster discuss peer review recommendations with Judge Moran and Project Advocates. The conceptual design is consistent with national courbines design tends while providing for future growth and necessary safety and security infrastructure.	
1000	2020 Construction Inflation Adjusted Cost:	

Master Plan prepared by Wiginton Hooker Jeffrey / The SGS Group Considered 8 options for facility needs projected for 2020. **Recommended Option 3: Construct New Courthouse 232,500 SF** • Locate on West side of square on Fountain Plaza Purchase 200 E. Ferguson Building for Annex functions . Demolish existing courthouse & create Plaza . Construct New Parking Garage - 300 spaces . 2000 Estimated Cost: \$ 63M 2020 Construction Inflation Adjusted Cost: \$138M Jail and Justice Facilities Master Plan completed by Carter Goble Lee presented to October 2007 Commissioners Court recommending: New Jail Expansion \$350/sf \$134,750,000 • \$275/sf New Courthouse \$ 77,000,000 • New Parking Garage 900 spaces \$ 13,500,000 Renovate Existing Courthouse \$ 6,250,000 Total Projected Cost \$231,500,000 • New Courthouse was recommended to be located on block due South of the existing County Jail. \$ 77M 2007 Estimated Cost: \$128M 2020 Construction Inflation Adjusted Cost: 2020 Construction Inflation Adjusted Cost: Wiginton Hooker Jeffrey 232,500 SF \$63M \$138M The SGS Group Master Plan Recommendation Carter Goble Lee Master \$77M \$128M 280.000 SF Plan Recommendation

264,000 SF

\$125M

Proposed Design

2020











COURTHOUSE ZONING AND BUILDING CIRCULATION

THREE SEPARATE CIRCULATION ZONES

PUBLIC

Single controlled entry with free movement within the building

RESTRICTED

Controlled interior entry limited to judges, court personnel, and official visitors

SECURE

Intended for prisoners & controlled access



Gensler

FX



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fitzpatrick ARCHITECTS Gensler HR





















IMPLEMENTING BEST PRACTICES: SAFETY AND SECURITY TYPICAL COURT FLOOR





IMPLEMENTING BEST PRACTICES: SAFETY AND SECURITY TYPICAL COURT FLOOR









IMPLEMENTING BEST PRACTICES: CIRCULATION





IMPLEMENTING BEST PRACTICES: 75 to 100 Year Building

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fitzpatrick ARCHITECTS



Fall 2020 Projections

Project Advocates uses a proprietary methodology levering industry experts, cost indexing, geographic area data and historical system data from comparison projects and field reports to prepare an in-depth cost analysis.

1. OPTIMISTIC

The Optimistic cost plan was derived from historical costs using the lower cost range solutions in the model projects. It is an attempt to show the lowest range of anticipated cost that meet the program space requirements.

2. PROBABLE	The Probable cost plan was derived from detailed estimate and
	historical costs listening to the client and architect on likes and
	dislikes learned from the site visits. It is an attempt to balance the
	current desires in terms of quality and program space to meet
	project expectation.

3. CONSERVATIVE

The Conservative cost plan uses the higher cost ranges from historic models in all building systems. This cost represents a scenario where the decision making leads to a design that enhances the architecture, finishes and building systems without considering cost constraints.

COVID = PAUSE





COVID = PAUSE May 2022 - RESUMED **PROJECT ADVOCATES TIME : the greatest adversary**

Parking Garage		Fime Escalation	on Projection t	to Q2 of 2023		
Cost as of Q2 of 2020	2020 2Qtrs 0% Flat	2021 @ 8%	2022 @ 8%	2023 2Qtrs @ 2%	Current Trend	
\$13,795,846	\$13,795,846.00	\$14,899,513.68	\$16,091,474.77	\$16,735,133.77		
Trending escalati	on numbers derived from a co	mbination of Construct	ion Analytics and Indus	try Leaders in DFW		
Cost as of Q2 of 2020	2020 2Qtrs 0% Flat	2021 @ 8%	2022 @ 8%	2023 2Qtrs @ 1%	Historical	
\$13,795,846	\$13,795,846.00	\$14,899,513.68	\$16,091,474.77	\$16,413,304.27		
Historical escalati	ion numbers, derived from a co	ombination of Construc	tion Analytics and Indu	stry Leaders in DFW	-	
Cost as of Q2 of 2020	2020 2Qtrs 0% Flat	2021 @ 8%	2022 @ 8%	2023 2Qtrs @ .75%	Optimistic	
\$13,795,846	\$13,795,846.00	\$14,899,513.68	\$16,091,474.77	\$16,332,846.90		
**Optimistic recession es	calation numbers derived from	a combination of Con	struction Analytics and	Industry Leaders in DFW*	*	
Parking Gara	ge projected to begin construc	tion in the beginning o	f Q3 2023, after the pas	sing of the bond		
Courthouse and Plaza	- -	Fime Escalation	on Projection t	to Q2 of 2023		
Cost as of Q2 of 2020	2020 2Qtrs 0% Flat	2021 @ 8%	2022 @ 8%	2023 @ 8%	2024 3Qtrs @ 2%	Current Trend
\$124,979,012	\$124,979,012.00	\$134,977,332.96	\$145,775,519.60	\$157,437,561.16	\$166,883,814.83	
Trendi	ng escalation numbers derived	d from a combination oj	f Construction Analytics	s and Industry Leaders in D)FW	
Cost as of Q2 of 2020	2020 2Qtrs 0% Flat	2021 @ 8%	2022 @ 8%	2023 @ 4%	2024 3Qtrs @ 1%	Historical
\$124,979,012	\$124,979,012.00	\$134,977,332.96	\$145,775,519.60	\$151,606,540.38	\$156,154,736.59	
Histori	cal escalation numbers, derive	d from a combination o	of Construction Analytic	s and Industry Leaders in 1	DFW	•
Cost as of Q2 of 2020	2020 2Qtrs 0% Flat	2021 @ 8%	2022 @ 8%	2023 @ 3%	2024 3Qtrs @ .5%	Optimistic
\$124,979,012	\$124,979,012.00	\$134,977,332.96	\$145,775,519.60	\$150,148,785.18	\$152,401,016.96	
Optimistic r	ecession escalation numbers a	lerived from a combinat	ion of Construction And	alytics and Industry Leader	s in DFW	
(Courthouse projected to begin	construction in the beg	inning of Q4 2024, afte	r the passing of the bond		





May 2022 Probable Cost Escalation Forecast

(
	<u>Optimistic</u>	<u>Probable</u>	<u>Conservative</u>
 Courthouse Building (original/historic rates) Adjusted to Actual Q3:2023 	\$118.0M	\$125.0M	\$140.0M
 Courthouse Building (Updated Escalation Multipliers Projections to new start date Q3:2024 	\$151.0M	\$160.3M	\$179.5M

(Const Analytics/2% per Qtr.)

From 2000 to 2004 we experienced a 7% increase per year in escalation

•	<u>Optimistic</u>	Probable	<u>Conservative</u>
Parking Structure (original/historic rates)	612 214	ć11 111	Ć1E 014
 Adjusted to Actual Q2:2021 Parking Structure (Undeted Secolation Multipliers) 	\$13.2M	\$14.1M	\$15.8M
 Parking Structure (Updated Escalation Multipliers) Projections to new start date Q2:2023 	\$15.8M	\$16.9M	\$18.9M
Total Bond Ask (Probable)	\$166.8M	\$177.2M	\$198.4M



May 2024 Update

Estimated: \$163,864,188



SMITH COUNTY COURTHOUSE & PARKING FACILITY - PROPOSED PROJECT TIMELINE Updated: 03/03/23 March 2023 –Planning for Success

nizpatrick

JULY - NOV 2023

	MILESTONES	NOTES
Nov-22	Bond Election: Passed	Voter Approved
Mar-23	Smith County issues CMAR RFQ/RFP	\$179M
	DUE DILIGENCE BEGINS & SCHEMATIC DESIGN CONTINUES	
	RFQ Process for Construction Manager at Risk	
	Construction Manager at Risk Selected by end of February	
	Schematic Design Phase for Architectural & Engineering Professional Services Continues (Currently at 60% complete)	CMAR
Hoar	Traffic and Construction Plan at all Phases Developed and Communicated	Project
FEBRUARY 15 - JUNE 15 2023	Due Diligence: Land Survey of existing terrain, trees, utilities	Delivery
FEBRUAR 1 15 - JUNE 15 2023	Due Diligence: Geotechnical Testing (Soils Report)	Method &
	Due Diligence: Asbestos/Environmental Report	
	Legal Platting and Permitting	Preconstruction
	City of Tyler Pre-Development Meeting	
	Preconstruction Services begin with Construction Manager	Services
	Estimated Cost Reconciliation: Independent Estimator	
	DESIGN DEVELOPMENT	
	Comprehensive Building Information Model / Virtual Model	NOTES
	Architectural Coordination and Design Development	
	Parking & Parking Structure Design Development	Our Team of
	Civil Engineering Design Development	Our Team of

Structural Engineering Design Development

Mechanical Engineering Design Development Electrical Engineering Design Development

Plumbing & Fire Protection Engineering Design Development

Acoustic Engineering Design Development AV/IT and Technology Design Development Security, Code, and In-Custody Design Development

Interior Design Development Furniture Design Development Landscape & Urban Planning Design Development

Wayfinding, Signage, Art, Community Rep Design Development Fire Protection & Life Safety Compliance

Accessibility Compliance Security Compliance Design Development Phase for Architectural & Engineering

Professional Services

Preconstruction Services Construction Manager

Estimated Cost Reconciliation: Construction Manager and

Independent Estimator

Architects,

Engineers, &

Consultants

One

Goal

Construction of Parking Structure Pro

Abatement, Demoltion, Site Prep, Uti

Work of Main Courthouse Site Proje

Could Begin

Begins; OCT 2023



October 2023 – October 2024: Parking Facility

DECEMBER 2023 - MAY 2024	Comprehensive Building Information Model / Virtual Model Construction Drawing Phase for Architectural & Engineering Professional Services Preconstruction Services Construction Manager Construction Specifications Documents for Approval of Government Authorities	Guaranteed Max Price: Or	
	Estimated Cost Reconciliation: Construction Manager and Independent Estimator	Target	
	BIDDING & NEGOTIATION		
JUNE 2024 - AUGUST 2024	Bidding & Negotiation Phase for Architectural & Engineering Professional Services		
SEPT 2024 - SEPT 2026 COURTHOUSE CONSTRUCTION	PHASE 2 CONSTRUCTION	Parking Structure Completes (Fall) & Construction Begins: Courthouse Construction Project	
Spring 2026 - Spring 2027 TRANSITION, DEMO AND PLAZA CONSTRUCTION	PHASE 3 CONSTRUCTION	Courthouse Project Completes and Transition/Move from Existing Courtho to New; Demo & Plaza Project Begir	

Planning for Success – CM at Risk and Preconstruction Services

	Fask Mode	Task Name	Duration	Start	Finish	Predecessors	% Complete	Resource Names	Jan 21, '24 Jan 28, '24 Fet T F S S M T F S S M T F S S M T F S S M T F S	Π
1	-5	SCCH Phases 2 & 3 - CMAR & A/E Precon Schedule	394 days	Thu 11/30/23	Thu 6/12/25		0%			
2	-5	Texas Historical Commission for Existing Courthouse	365 days	Mon 1/15/24	Thu 6/12/25		0%	Smith County		ш.
3	-9	100% DD Budget Pricing	8 days	Thu 1/11/24	Mon 1/22/24		0%		0%	
4	*	Hoar Issues 100% DD Budget to Fitzpatrick	1 day	Thu 1/11/24	Thu 1/11/24		0%	Hoar		Ho
5	-	100% DD Pricing Reconciliation	1 day	Thu 1/18/24	Thu 1/18/24	4FS+4 days	0%	Fitz/Hoar/Verm		
6	-9	100% DD Pricing Review w/ Smith County	1 day	Mon 1/22/24	Mon 1/22/24	5	0%	OAC	* 0%	
7	-9	Phase 2 Site - Abatement	81 days	Mon 1/15/24	Mon 5/6/24		0%			
8	÷	Photographic documentation of existing historical buildings prior to abatement and demolition	30 days	Mon 1/15/24	Fri 2/23/24		0%	Fitzpatrick		
9	-5	Issue RFP for Abatement	1 day		Tue 1/30/24		0%	Smith County		
0	-5	Award Abatement Contract	1 day	Tue 2/27/24	Tue 2/27/24	9FS+19 days	0%	Smith County		
1	-5	Abatement of Phase 2 Site	30 days	Wed 2/28/24	Tue 4/9/24	10	0%	Smith County		
12	-9	Sentimental Demo of Phase 2 Site	16 days	Mon 4/15/24	Mon 5/6/24	11FS+3 days	0%	Smith County	Checks & Balances	
3	-9	50% CD Budget Pricing	95 days	Thu 11/30/23	Mon 4/15/24		0%			
	-9	Develop 50% CDs	66 days	Thu 11/30/23		5SS-32 days	0%	Fitzpatrick	Third Party	
	-9	Issue 50% CDs	0 days	Tue 3/5/24	Tue 3/5/24	14	0%	Fitzpatrick	Independent Cost	
	-9	Hoar Budgeting	25 days		Tue 4/9/24	14	0%	Hoar	_	
	-9	50% CD Pricing Reconciliation	3 days	Wed 4/10/24	Fri 4/12/24	16	0%	Fitz/Hoar/Verm	Estimator	
	-9	50% CD Pricing Review w/ Smith County	1 day	Mon 4/15/24		17	0%	OAC		
	-9	Generator Procurement	109 days	Thu 11/30/23			0%			
	-9	Develop Generator Design/Bid Package	85 days	Thu 11/30/23		5SS-32 days	0%	Fitzpatrick		
	-9	Issue Generator Design/Bid Package	0 days	Mon 4/1/24	Mon 4/1/24	20	0%	Fitzpatrick		
	-9	Hoar Pricing	15 days	Tue 4/2/24	Mon 4/22/24	21	0%	Hoar	Long Lead Projections	
	-9	Review Pricing w/ Smith County	1 day	Mon 4/22/24		22FF	0%	OAC	Mechanical	
	-9	Smith County Approval of Generator Vendor Award	9 days	Tue 4/23/24	Fri 5/3/24	23	0%	Smith County		
	-9	iGMP Pricing	77 days	Wed 3/6/24	Fri 6/21/24		0%		Electrical	
	÷	Develop 100% CD Early Site & Demo Package	38 days	Wed 3/6/24	Fri 4/26/24	15	0%	Fitzpatrick		
	-9	Issue 100% CD Early Site & Demo Package	0 days	Fri 4/26/24	Fri 4/26/24	26	0%	Fitzpatrick	Generator	
	-9	Hoar Pricing	25 days	Mon 4/29/24		27	0%	Hoar		
-	-9	iGMP Review w/ Smith County	4 days	Tue 6/4/24	Fri 6/7/24	28	0%	OAC	Starting Saanar	
	÷	Smith County Approval of iGMP	10 days	Mon 6/10/24		29	0%	Smith County	Starting Sooner	
	÷	fGMP Pricing	101 days	Wed 3/6/24	Mon 7/29/24	1.5	0%		Early Site Make-Ready	
	÷	Develop 100% CD Phase 2 & 3 Documents	62 days	Wed 3/6/24	Fri 5/31/24	15	0%	Fitzpatrick		
	÷	Issue 100% CD Phase 2 & 3 Documents	0 days	Fri 5/31/24	Fri 5/31/24	32	0%	Fitzpatrick	Early Procurement of Mecha	anica
	÷	Hoar Pricing	25 days	Mon 6/3/24	Tue 7/9/24	33	0%	Hoar	_	
	÷	fGMP Review w/ Smith County	4 days	Wed 7/10/24		34	0%	OAC	Equipment	
	÷	Smith County Approval of fGMP	10 days	Tue 7/16/24	Mon 7/29/24	35	0%	Smith County		
37	-9	Construction Milestones	520 days	Fri 5/3/24	Thu 5/7/26		0%			
		Critical Split		Finish-only	3	Baseline Milesto	one 🛇	Manual Summary	Inactive Task	
		Critical Split Task Progress		Duration-only		Milestone	•	Project Summary	Inactive Milestone	
		Critical Progress Manual Task		Baseline		Summary Progr	ess	External Tasks	Inactive Summary	
		Task Start-only E		Baseline Split		Summary	I	External Milestone	Deadline	
		I			Page 1					



Bentley Arena | Architect: Architectural Resources Cambridge



As construction economists, we understand today's market. We help you realize successful project outcomes.





EXPERTISE

Beyond Estimation

Going beyond estimation and cost control is a top priority at Vermeulens We have crafted a suite of 'beyond estimation' processes - market outlook forecasting tools, establishing appropriate escalation contingencies, benchmarking, and cost modeling tools, option and program analysis tools and procurement strategies to set your project up for success.

Learn how Vermeulens can benefit your next project



/▼		HOAR 🚽	VERMEULENS 🚽	\$ DELTA (V - CM 🚽	% DELTA
Draft Estimate Total		\$4,136,199	\$1,392,336	(\$2,743,863)	-197.07%
	SAFETY & SECURITY ADJUSTED	\$4,136,199	\$4,136,199	\$0	0.00%
31 EARTHWORK					-
Draft Estimate Total		\$1,668,225	\$5,829,692	\$4,161,467	71.38%
	EARTHWORK ADJUSTED	\$1,668,225	\$2,684,692	\$1,016,467	37.86%
2 EXTERIOR IMPROVEMENTS					
Draft Estimate Total		\$2,117,355	\$4,211,826	\$2,094,471	49.73%
	EXTERIOR IMPROVEMENTS ADJUSTED	\$2,307,355	\$2,454,326	\$146,971	5.99%
33 SITE UTILITIES					
Draft Estimate Total		\$457,264	\$400,000	(\$57,264)	-14.32%
	SITE UTILITIES ADJUSTED	\$457,264	\$400,000	(\$57,264)	-14.32%
	SUBTOTAL DIRECT CONSTRUCTION COSTS:	\$121,778,246	\$123,996,483	\$2,218,237	1.79%

TOTAL CONSTRUCTION COSTS - Base E	d: \$148,883,498	\$151,578,027	\$2,694,529	1.78%	*
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Hoar

Pre-Construction Milestones

- January 8: Parking Structure OAC meetings on the calendar every two weeks
- Mid January: Begin process with Texas Historical Commission
- Mid January: Photographic/Historic documentation of existing historical buildings prior to abatement and demolition
- January 17: 9am to 5pm: All day pricing Reconciliation between HOAR and Vermeulens on Wed. (Internal Meeting first to resolve questions)
- January 22: After the Parking Garage OAC that morning, Courthouse pricing overview with Smith County 11am-12pm; & Tour of Plans 1:30pm to 3:30; This will be a tour connecting big picture scope to cost; subsequent focused meetings on cost/scope with Smith County would be planned and determined at this time - (smaller subsequent meetings with specialized user groups generated from this overview)
- January 30: The County issues RFP for abatement (to be confirmed by Smith County)
- February 27: County Awards RFP for abatement (to be confirmed by Smith County); abatement begins (6 weeks maximum of time)
- March 5: target 50% CD issue
- April 9: target for abatement complete at courthouse site.
- April 26: Fitzpatrick Issues Early Site & Demo Package to HOAR
- May 31: Fitzpatrick Issues Main Courthouse Construction Drawing package
- Mid June: target IGMP on early site package
- Late June: IGMP approved in Comm Court for early site package
- Mid/ End July: Mobilization could begin; Courthouse Construction Fence to go up
- August: Main Courthouse project begins
- Sept/Oct: Parking Structure Completes

On-going Coordination:

- ONCOR required items
- City/County joint timeline
- Permanent power: delivery of a transformer January 26th





IMPLEMENTING BEST PRACTICES: Construction Drawings for 268,426 square foot building





Constructing the Building on Paper Calculations & Coordination on 1000+ sheets of CDs



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LOWER LEVEL

FACILITIES/MECHANICAL

23 RESERVED PARKING SPACES

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DETENTION AREA





FIRST FLOOR

PUBLIC ENTRANCE/SECURITY CHECK IN

STAFF ENTRANCE/SECURITY CHECK IN

C

F

SECURITY

DISTRICT CLERK

JURY ASSEMBLY 294 CHAIRS



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PUBLIC LAW LIBRARY & MEDIATION ROOMS





SECOND FLOOR



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of



TYPICAL COURTROOM FLOOR 3rd & 4th Floor

PUBLIC







TYPICAL COURTROOM FLOOR 3rd & 4th Floor

PUBLIC

Ν

COURTROOM




Ν

TYPICAL COURTROOM FLOOR 3rd & 4th Floor



SECURE IN CUSTODY





TYPICAL COURTROOM FLOOR 3rd & 4th Floor



JUDGE & STAFF

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TYPICAL COURTROOM FLOOR 3rd & 4th Floor







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TYPICAL COURTROOM FLOOR 5th Floor

FUTURE GROWTH





6th FLOOR: DISTRICT ATTORNEY

PUBLIC SECURE LOBBY

OFFICE SPACE

Ν

90 WORK SPACES GROUPED BY DEPARTMENT AREA FOR FUTURE GROWTH





7th FLOOR: 12TH COURT OF APPEALS

PUBLIC

COURTROOM



Ν

12TH COURT OF APPEALS OFFICE SPACE

LAW LIBRARY

FUTURE GROWTH







COURTROOMS: 2,300 SF

EXISTING COURTROOMS RANGE FROM 850 SF TO 2000 SF

4 COURTROOMS ON 3RD FLOOR

4 COURTROOMS ON 4TH FLOOOR

4 FUTURE COURTROOMS ON 5TH FLOOR







PROPOSED COURTROOMS: 2,300 SF

INDIRECT NATURAL LIGHT







PROPOSED COURTROOMS: 2,300 SF

INDIRECT NATURAL LIGHT

95 SEAT AUDIENCE, MOVABLE CHAIRS







PROPOSED COURTROOMS: 2,300 SF

INDIRECT NATURAL LIGHT

95 SEAT AUDIENCE, MOVABLE CHAIRS

2 CONFERENCE ROOMS, SOUND LOCK VESTIBULE





PROPOSED COURTROOMS: 2,300 SF

INDIRECT NATURAL LIGHT

95 SEAT AUDIENCE, MOVABLE CHAIRS

2 CONFERENCE ROOMS, SOUND LOCK VESTIBULE

SECURE IN CUSTODY HOLDING, DIRECT ACCESS TO COURTROOM





PROPOSED COURTROOMS: 2,300 SF

INDIRECT NATURAL LIGHT

95 SEAT AUDIENCE, MOVABLE CHAIRS

2 CONFERENCE ROOMS, SOUND LOCK VESTIBULE

SECURE IN CUSTODY HOLDING, DIRECT ACCESS TO COURTROOM

SECURE ATTORNEY CONFERENCE FOR IN CUSTODY CONSULTATION









PROPOSED COURTROOMS: 2,300 SF

INDIRECT NATURAL LIGHT

95 SEAT AUDIENCE, MOVABLE CHAIRS

2 CONFERENCE ROOMS, SOUND LOCK VESTIBULE

SECURE IN CUSTODY HOLDING, DIRECT ACCESS TO COURTROOM

SECURE ATTORNEY CONFERENCE FOR IN CUSTODY CONSULTATION

14 PERSON JURY & ADJACENT DELIBERATION IN RESTRICTED CORRIDOR W/ DIGITAL TECHNOLOGY, PRIVATE RESTROOM & COFFEE BAR







280,426 BUILDING SQUARE FOOTAGE

268,426 OCCUPIABLE SQUARE FOOTAGE

7 STORIES + MECHANICAL PENTHOUSE + LOWER UNDERGROUND LEVEL

223' TALL (For Reference: ±40' TALLER THAN PEOPLE'S PETROLEUM BUILDING)

± 30,000-35,000 SQUARE FEET PER FLOOR

12 COURT CAPACITY (Building out 8 courts now + 4 court future capacity as courts come online)

12TH COURT OF APPEALS

FUTURE GROWTH

SPRING 2027 – FINAL COMPLETION OF ALL 3 PHASES













May 2022 Probable Cost Escalation Forecast

 Projections to new start date Q3:2024 	\$151.0M	\$160.3M	\$179.5M
	Optimistic	Probable	Conservative
 Parking Structure (original/historic rates) Adjusted to Actual Q2:2021 	\$13.2M	\$14.1M	\$15.8M
Parking Structure (Updated Escalation Multipliers)	\$15.8M	\$16.9M	\$18.9M
 Projections to new start date Q2:2023 	212.0IVI	\$ =0.5.00	<u></u>



Estimated: \$163,864,188

Actual: \$15,135,812 \$179M



SMITH COUNTY COURTHOUSE AND PARKING FACILITY BUDGET SUMMARY Planning

Planning for the TOTAL PROJECT



COURTHOUSE & PARK (PHASES 2 & 3) : SOFT COSTS	
PROFESSIONAL ARCHITECTURAL & ENGINEERING FEES	\$ 10,054,309.02
HOAR CONST PRE-CONSTRUCTION SERVICES	\$ 149,479.67
INDIRECT COSTS	\$ 1,092,139.62
Geotech Testing & Reports, Envelope Testing & Comissioning, MEP Commissioning, Asbestos Surveys & Reports, Environmental Consulting, Replatting & Surveys, Artwork & Acessories, Historic Documentation, Archeologist	
DIRECT COSTS	\$ 3,916,666.30
Materials Testing, Abatement, Utilities Move & Activiation, Railroad ROW purchase, Environmental Remediation, Furniture, Equipment, AV/IT, Contingency	
LAND ACQUISITION	\$ 1,950,356.00
PHASE 2 & 3 GUARANTEED MAX PRICE : CONSTRUCTION COST	\$ 146,701,237.00
SUBTOTAL PH 2 & 3 COURTHOUSE : TOTAL PROJECT COST	\$ 163,864,187.61

PARKING STRUCTURE (PHASE 1) : SOFT COSTS	
PROFESSIONAL ARCHITECTURAL & ENGINEERING FEES	\$ 1,014,792.72
HOAR CONST PRE-CONSTRUCTION SERVICES	\$ 55,520.33
INDIRECT COSTS	\$ 46,663.75
Geotech Testing & Reports, Asbestos Surveys & Reports, Replatting & Surveys	
DIRECT COSTS	\$ 196,848.59
Materials Testing, Abatement, AV/IT, Contingency	
PHASE 1 GUARANTEED MAX PRICE : CONSTRUCTION COST	\$ 13,821,987.00
SUBTOTAL PH 1 PARKING STRUCTURE TOTAL PROJECT COST	\$ 15,135,812.39
ALL PHASES : TOTAL PROJECT COST	\$ 179,000,000.00







PHASE 2: COURTHOUSE CONSTRUCTION: SUMMER 2024 THROUGH SUMMER 2026

PHASE 3: TRANSITION, DEMOLITION, NEW GREEN SPACE CONSTRUCTION: SUMMER 2026 THROUGH SPRING 2027

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EGIONS

5/23-25 TO KILL A MOCKINGBIR 6/7 THE WIZARD OF OZ 8/15 SGT. PEPPERS BLUEGRASS

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