

Construction **Economy Snapshot**

August's Total US Construction Starts

\$69.5 Billion



Through the period ending August 31, 2024

-12.7% MoM | -12.9% YoY | -2.4% Ytd

Total Nonresidential

\$49.7 Billion



Aug. 2024 v. Aug. 2023 -3.8%

Aug. 2024 v. July 2024 -13.5%

Total Residential

\$19.8 Billion



Aug. 2024 v. Aug. 2023 -29.6%

Aug. 2024 v. July 2024

-10.8%



Nonresidential **Building**

\$30.6 Billion

Aug. 2024 v. Aug. 2023 -9.4%

Aug. 2024 v. July 2024

-6.7%

Heavy **Engineering**

\$19.1 Billion

Aug. 2024 v. Aug. 2023 +6.7%

Aug. 2024 v. July 2024

-22.6%

ConstructConnect announced today that August's 2024's volume of Total Nonresidential construction starts - the sum of Nonresidential Building and Heavy Engineering - was \$49.7 billion, a decrease of \$7.8 billion, or -13.5%, when compared to a revised July reading of \$57.5 billion.

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REGIONAL

NATIONAL

Year-To-Date Readings Illustrate Broad Slowing of Industry Activity

Year-to-date "YTD" Nonresidential Building construction starts totaled \$247.8 billion through August, down 9.6% from the comparable period of a year ago. This month also marks the two-thirds point through the calendar year, allowing us an opportunity to see how YTD results are evolving as we quickly approach year-end. Measured in the broadest terms, construction activity has certainly slowed since the first quarter. Grand Total construction starts spending, which includes total nonresidential and residential construction, was as high as 3.3% YoY through June and has since become contractionary with August's YTD reading of -2.4%. Total industry results would be more austere if not for the sustained double-digit growth occurring within the heavy engineering segment. Engineering activity has helped to offset a near 10% contraction in nonresidential building activity in the year period through August. Put in dollar terms, YTD nonresidential building construction is nearly \$24 billion behind where it was at this time in 2023.

Several nonresidential sub-categories are contributing to the year's shortfall in spending. Among the leaders are manufacturing and warehousing which are collectively down almost \$19 billion compared to the first eight months of 2023. This decline can be attributed to the normalizing of manufacturing spending after an unprecedented surge beginning in 2022 that carried over into early 2023. However, this decline towards long-run levels is an exceptional situation and not representative of the challenges faced by other struggling categories. Additional high-value categories presently experiencing contracting YTD spending levels include Military (\$-6.6 billion), Hospitals/Clinics (\$-2.5 billion) and Hotel/Motels (\$-2.0 billion) and Retail/Shopping (\$-1.6 billion). In total twelve categories at the end of August reported some decline in spending over the same period a year ago.

Value of United States Nonresidential Construction Starts

August 2024 (ConstructConnect®)

	Ja	n-Aug 2024	% Change Jan-Aug 2024 vs		Aug 24	% Change Aug 24 vs	% Change Aug 24 vs
	_	(\$ Billions)	Jan-Aug 2023		(\$ Billions)	Aug 23	Jul 24
	١.			11 .			1
Hotel/Motel	\$	7.459	-21.5%	\$	0.381	-79.6%	-58.8%
Retail/Shopping	\$	8.832	-15.2%	\$	0.752	-22.9%	-38.8%
Retail Miscellaneous	\$	4.957	-0.8%	\$	0.382	-35.9%	-42.2%
Parking Garages	\$	1.324	11.2%	\$	0.151	5.1%	11.1%
Amusement	\$	9.412	38.1%	\$	0.918	-10.5%	-48.5%
Private Office	\$	22.261	17.0%	\$	7.667	71.4%	722.1%
Government Office	\$	10.888	-5.9%	\$	1.354	-22.9%	4.8%
Laboratory	\$	3.301	63.7%	\$	0.571	184.6%	6.9%
Warehouse	\$	12.467	-26.3%	\$	1.552	-52.6%	10.7%
Sports Stadiums/Convention Centers	\$	7.423	5.7%	\$	1.125	149.4%	-61.1%
Transportation Terminals	\$	4.358	-18.6%	\$	0.091	-50.8%	-78.5%
COMMERCIAL	\$	92.681	-2.3%	\$	14.944	0.0%	22.4%
MANUFACTURING	\$	40.266	-39.0%	\$	4.365	-25.5%	-45.0%
Religious	\$	0.846	20.3%	\$	0.054	17.5%	-11.0%
Hospital/Clinic	\$	14.207	-15.0%	\$	1.175	10.6%	-39.7%
Nursing/Assisted Living	\$	1.684	0.4%	\$	0.099	-48.3%	-47.0%
Library/Museum	\$	3.426	9.7%	\$	0.331	-51.5%	-29.1%
Courthouses	\$	1.509	1.8%	\$	0.140	-55.6%	-20.7%
Police Stations and Fire Halls	\$	3.845	23.5%	\$	0.449	7.2%	-14.3%
Prisons	\$	6.171	78.3%	\$	0.354	156.7%	54.9%
Military	\$	5.737	-53.6%	\$	0.831	-37.0%	25.0%
Pre-School/Elementary	\$	19.938	7.1%	\$	2.588	23.0%	28.7%
Junior & Senior High Schools	\$	30.311	17.5%	\$	2.770	2.4%	-9.5%
Special and Vocational Schools	\$	2.328	52.0%	\$	0.169	-63.5%	-35.4%
Colleges and Universities	\$	18.838	1.7%	\$	1.930	-15.3%	-27.1%
Miscellaneous Medical	\$	6.012	-3.2%	\$	0.398	-68.1%	0.6%
INSTITUTIONAL	\$	114.851	1.4%	\$	11.289	-13.0%	-10.7%
NONRESIDENTIAL BUILDING	\$	247.798	-9.6%	\$	30.598	-9.4%	-6.7%
Airport	\$	10.852	60.7%	\$	1.207	37.5%	-32.0%
Road/Highway	\$	71.641	0.7%	\$	7.008	-7.0%	-24.1%
Bridge	\$	20.405	15.7%	\$	1.798	2.0%	-59.2%
Dam/Marine	\$	7.765	-4.7%	\$	0.987	-24.8%	5.7%
Water/Sewage	\$	39.954	23.3%	\$	4.653	9.4%	-22.9%
Electric Power Infrastructure	\$	19.602	72.8%	\$	2.361	686.7%	304.3%
All Other Civil	\$	21.394	13.9%	\$	1.095	-41.2%	-36.0%
HEAVY ENGINEERING (Civil)	\$	191.613	15.3%	\$	19.109	6.7%	-22.6%
TOTAL MONDECIDENT	_	420 ***			40 ===		
TOTAL NONRESIDENTIAL	\$	439.411	-0.2%	\$	49.708	-3.8%	-13.5%

BEST PERFORMING LARGE DOLLAR CATEGORIES YTD

Electric Power Infrastructure, +73% Airports, +61% Special and Vocational Schools, +52% Amusement, +38% Water/Sewage, +23%

UNDERPERFORMING LARGE DOLLAR CATEGORIES YTD

Military, -54% Manufacturing, -39% Warehouse, -26% Hotel/Motel, -22% Transportation Terminals, -19%

^{* &}quot;Large dollar categories" are the 25 largest subcategories by starts dollars in the previous calendar year

Is the Fed too Late to Stem the Erosion in 2024 Spending?

There are many ways to measure how the construction industry changes over time. The usefulness of year-to-date (YTD) figures is that they provide an evolving picture of what to expect by year end. With only four months remaining in this calendar year, current year-to-date measures, comparing the first eight months of 2024 against the same months from 2023, are already providing a keen sense of where 2024 is likely to end. For total construction which summates residential, nonresidential building and heavy engineering, YTD starts activity is presently down 2.4% from a year ago. Given the few months remaining in this calendar year and current conditions, even aggressive interest rate cuts designed to reignite economic and construction growth might not be enough to turn around this year's lackluster results.

The year started off with residential and heavy engineering gains more than offsetting underwhelming nonresiden-

tial building activity. On net, total construction reported 3% to 5% YTD gains throughout most of the first half of the year. Beginning with June total construction growth fell below 2% for the first time as slowing residential growth and a worsening contraction in nonresidential spending pulled overall results lower. Since then, only heavy engineering spending has reported positive YTD growth while spending in both residential and nonresidential construction has experienced an accelerating contraction. To date, total construction starts spending through August is \$15 billion lower than in the same months of 2023.

It is well documented that interest rate changes impact economic activity with a lag, as companies and individuals take time to adjust and respond to higher financing costs and their ensuing impact on cashflows and returns on investments. Because home financing is highly dependent on borrowing it is also one of

the most rate sensitive segments of construction. In 2022, as the Federal Reserve began hiking the Fed Funds Rate from 0% to what would eventually be over 5%, total monthly residential construction starts spending fell from a strong \$38.6 billion in April 2022 to a multi-year low of \$22.2 billion by February of 2023. Now that today's economy is looking at the very real chance of immediate rate cuts, the anticipation should be for residential spending to provide early indications of a greater construction spending rebound. Under a scenario in which residential construction quickly rebounds back to 2021 levels, this would anticipate a \$60-80 billion annualized boost to total construction. The possibility that \$15 billion of this recovery might happen in 4Q2024 and unwind the present contraction may be a long shot. Regardless, it would certainly provide a solid base for a rebound in 2025.

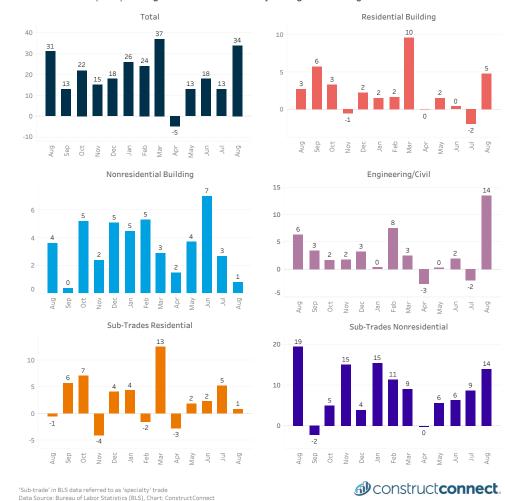
Construction Employment Update

August's total construction hiring added a historically strong 34,000 to the construction labor force. The month's gains represented the second strongest reading in the last 12 months, bested only by March's 37,000 gain. Additionally, the latest reading was more than double the downward revised July reading which fell from an initially reported 25,000 to 13,000. The latest reading also beat the year ago reading of 31,000 jobs added thanks to a 14,000 job gain in engineering and civil hires as compared to a gain of just 6,000 in August of 2023. The latest total construction jobs gains were concentrated in Engineering and Civil along with sub-trades (+14,000). Nonresidential (+1,000), residential sub-trades (+1,000), and residential building (+5,000) all reported more modest gains.

Hourly wages and weekly hours worked continue to make construction an attractive industry for labor. Hourly construction wages averaged \$38.36 in August, an increase of 4.4% from a year ago. Construction laborers worked on average 39 hours a week in August as well, nearly 5-hours more than the total private sector average. As a result, construction laborers earned almost \$290 more per week in August, or 24% more than their average private sector peer.

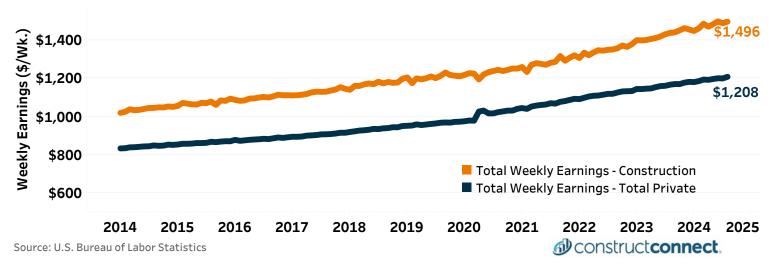
Change in Level of U.S. Construction Employment

Month to Month (M-M) Change in 000's — Total & by Categories — August 2024



Weekly Construction and Total Private Earnings

The combination of an hourly wage premium and an additional 5 hours of weekly work has taken weekly construction earnings 24% above the average private-sector worker.



Nonresidential Construction Starts Regional Analysis

Year-to-date (YTD) regional construction activity has been generally positive for most coastal regions but more difficult for the nation's central southern and the mountainous regions. Through August, YTD construction spending expanded the fastest in the South Atlantic (+16.6%) thanks to the steady flow of energy and data center "mega" projects over \$1 billion in cost. In terms of percentage growth Virginia (+97% YTD) and South Carolina (+107% YTD) have vastly outperformed this year's average state reading of 8.4%. Collectively these states have amassed nearly \$34 billion in new construction starts year-to-date. Only Rhode Island (+178%) and Alaska (+109%) have performed better on a percentage basis.

Following behind the South Atlantic's \$94.1 billion in YTD starts, an improvement of 16.6%, is the Pacific region. Year-to-date, the Pacific has grown by 14.6% with starts worth \$65.8 billion. Regional YTD performance quickly declines after this with the East North Central region up only 2.7% followed by the New England region up 1.8%.

Across the middle of the country results are far more concerning. In the West South Central region comprised of Arkansas, Louisiana, Oklahoma. and Texas, total nonresidential starts spending is down 19.4% YTD. The region's challenge is dominated by nonresidential building activity which is down 26.6% YTD and receiving no assistance from heavy engineering which is facing its own mild contraction. Following behind are the eight states of the Mountain region led in spending by Arizona, Colorado, and Wyoming. Total nonresidential year-to-date performance is down 9.1%, again led by a disproportionate contraction in nonresidential building spending and nearly unchanged spending in heavy engineering.

2024 Year-to-Date Ranking of the Top 20 States — ConstructConnect®

Figures are comprised of non-res building & engineering (residential is omitted).

U.S. Ytd Regional Starts, Nonresidential Construction* — ConstructConnect®

	Jan-Aug 2023	Jan-Aug 2024	% Change
Connecticut	\$3,633,787,022	\$3,721,037,134	2.4%
Maine	\$1,161,366,429	\$1,254,538,734	8.0%
Massachusetts	\$8,818,819,835	\$8,142,600,280	-7.7%
New Hampshire	\$1,001,166,218	\$854,224,429	-14.7%
Rhode Island	\$561,072,546	\$1,561,010,203	178.2%
Vermont	\$641,555,054	\$565,841,947	-11.8%
Total New England	\$15,817,767,104	\$16,099,252,727	1.8%
New Jersey	\$4,737,801,350	\$6,571,746,891	38.7%
New York	\$24,427,045,934 \$12,585,209,327	\$21,851,332,713	-10.5% -27.6%
Pennsylvania Total Middle Atlantic	\$12,585,209,327	\$9,117,158,611 \$37,540,238,215	-27.6%
Total Northeast	\$57,567,823,715	\$53,639,490,942	-6.8%
Illinois	\$12,364,700,117	\$13,067,660,371	5.7%
Indiana	\$13,122,258,732	\$14,932,958,607	13.8%
Michigan	\$11,289,874,945	\$12,301,717,794	9.0%
Ohio	\$17,271,603,104	\$9,922,281,064	-42.6%
Wisconsin	\$6,467,612,388	\$11,938,561,860	84.6%
Total East North Central	\$60,516,049,286	\$62,163,179,696	2.7%
lowa	\$4,719,193,415	\$4,345,610,142	-7.9%
Kansas	\$7,732,798,990	\$3,746,968,687	-51.5%
Minnesota	\$5,878,350,413	\$8,585,158,240	46.0%
Missouri	\$5,317,596,530	\$8,015,858,115	50.7%
Nebraska	\$4,003,429,679	\$4,092,305,448	2.2%
North Dakota	\$2,694,493,659	\$2,331,741,456	-13.5%
South Dakota	\$3,033,807,094	\$2,587,645,031	-14.7%
Total West North Central	\$33,379,669,780	\$33,705,287,119	1.0%
Total Midwest	\$93,895,719,066	\$95,868,466,815	2.1%
Delaware	\$928,171,211	\$1,042,720,241	12.3% 20.7%
DISTRICT OF COLUMBIA Florida	\$1,573,348,108 \$22,233,523,052	\$1,898,550,461 \$24,553,217,465	10.4%
Georgia	\$13,800,134,093	\$11,136,007,725	-19.3%
Maryland	\$6,680,471,209	\$7,346,279,999	10.0%
North Carolina	\$15,992,314,413	\$12,786,227,526	-20.0%
South Carolina	\$5,714,752,149	\$11,827,585,274	107.0%
Virginia	\$11,180,291,411	\$21,991,023,437	96.7%
West Virginia	\$2,654,629,259	\$1,566,802,832	-41.0%
Total South Atlantic	\$80,757,634,905	\$94,148,414,960	16.6%
Alabama	\$8,777,751,804	\$6,740,984,305	-23.2%
Kentucky	\$5,925,031,528	\$4,964,593,163	-16.2%
Mississippi	\$2,667,329,577	\$3,318,364,650	24.4%
Tennessee	\$8,216,762,750	\$10,462,511,940	27.3%
Total East South Central	\$25,586,875,659	\$25,486,454,058	-0.4%
Arkansas	\$4,090,295,841	\$3,233,812,181	-20.9%
Louisiana	\$5,631,868,390	\$4,169,995,238	-26.0%
Oklahoma	\$5,419,438,868	\$4,691,114,330	-13.4%
Texas Total West South Central	\$74,205,419,409	\$59,911,946,313	-19.3% -19.4%
Total South	\$89,347,022,508 \$195,691,533,072	\$72,006,868,062 \$191,641,737,080	-2.1%
Arizona	\$9,124,444,608	\$8,508,186,106	-6.8%
Colorado	\$7,062,246,227	\$5,503,978,185	-22.1%
Idaho	\$1,722,678,889	\$1,980,008,622	14.9%
Montana	\$1,450,548,300	\$1,311,368,459	-9.6%
Nevada	\$5,231,188,534	\$3,655,030,774	-30.1%
New Mexico	\$2,511,749,019	\$2,656,048,905	5.7%
Utah	\$4,597,706,014	\$3,807,209,421	-17.2%
Wyoming	\$4,010,466,608	\$5,055,153,855	26.0%
Total Mountain	\$35,711,028,199	\$32,476,984,327	-9.1%
Alaska	\$4,337,337,756	\$9,068,862,703	109.1%
California	\$35,035,944,428	\$38,279,960,199	9.3%
Hawaii	\$5,861,691,100	\$3,095,690,304	-47.2%
Oregon	\$4,793,874,006	\$5,908,766,863	23.3%
Washington	\$7,392,674,769	\$9,430,932,505	27.6%
Total West	\$57,421,522,059	\$65,784,212,574	14.6%
Total West TOTAL U.S.	\$93,132,550,258 \$440,287,626,111	\$98,261,196,901 \$439,410,891,738	5.5%
TOTAL U.U.	3440,207,020,111	2432,410,021,738	-0.2%

 $^{{}^{\}star}\text{Figures above are comprised of non-res building and engineering (i.e., residential is omitted)}.$

INSIGHT View of Starts Statistics

Value of United States Construction Starts

ConstructConnect® INSIGHT Version — August 2024

Arranged to match the alphabetical category drop-down menus in INSIGHT

			% Change	% Change	% Change
		Jan -Aug 2024	Jan -Aug 24 vs	Aug 24 vs	Aug 24 vs
		(\$, billions)	Jan -Aug 23	Aug 23	Jul 24
Summary		, , ,	· ·	ŭ	
CIVIL		191.613	15.3%	6.7%	-22.6%
NONRESIDENTIAL BU	ILDING	247.798	-9.6%	-9.4%	-6.7%
RESIDENTIAL		199.601	-7.0%	-29.6%	-10.8%
GRAND TOTAL		639.012	-2.4%	-12.9%	-12.7%
Verticals	Airport	10.852	60.7%	37.5%	-32.0%
	All Other Civil	21.394	13.9%	-41.2%	-32.0%
	Bridges	20.405	15.7%	2.0%	-59.2%
	Dams / Canals / Marine Work	7.765	-4.7%	-24.8%	5.7%
	Power Infrastructure	19.602	72.8%	-24.8% 686.7%	304.3%
	Roads	71.641	0.7%	-7.0%	-24.1%
	Water and Sewage Treatment	71.641 39.954	23.3%	-7.0% 9.4%	-24.1% -22.9%
CIVIL	Water and Cowage Treatment	191.613	15.3%	6.7%	-22.6%
VITIL	Offices (private)				722.1%
	,	22.261	17.0%	71.4%	
	Parking Garages Transportation Terminals	1.324	11.2% -18.6%	5.1%	11.1% -78.5%
	·	4.358 27.943	9.2%	-50.8% 64.7%	-78.5% 429.5%
<u></u>	mmercial (small subset) Amusement			-10.5%	-48.5%
	Libraries / Museums	9.412	38.1%		
		3.426	9.7%	-51.5%	-29.1%
	Religious Sports Arenas / Convention Centers	0.846 7.423	20.3% 5.7%	17.5% 149.4%	-11.0% -61.1%
Co	mmunity	21.107	19.5%	10.1%	-53.3%
	College / University				
	Elementary / Pre School	18.838	1.7%	-15.3%	-27.1%
	Jr / Sr High School	19.938	7.1%	23.0%	28.7%
	Special / Vocational	30.311 2.328	17.5% 52.0%	2.4% -63.5%	-9.5%
Ed	ucational	71.414	10.8%	-03.5%	-35.4% -6.6%
	Courthouses	1.509		-55.6%	-20.7%
	Fire and Police Stations		1.8%		
	Government Offices	3.845	23.5%	7.2%	-14.3%
	Prisons	10.888	-5.9%	-22.9%	4.8%
Go	vernment	6.171 22.413	78.3% 14.2%	156.7% -12.6%	54.9% 3.4%
	Industrial Labs / Labs / School Labs			-	
		3.301	63.7%	184.6%	6.9%
	Manufacturing Warehouses	40.266 12.467	-39.0% -26.3%	-25.5%	-45.0%
Inc	ustria	56.034	-34.0%	-52.6% -30.5%	10.7% -34.3%
	Hospitals / Clinics	14.207			
			-15.0%	10.6%	-39.7%
	Medical Misc. Nursing Homes	6.012 1.684	-3.2% 0.4%	-68.1% -48.3%	0.6% -47.0%
Ma	dical	21.903	-11.0%	-48.3%	-47.0%
	litary	5.737	-53.6%	-37.0%	25.0%
	Hotels				
	Retail Misc.	7.459 4.957	-21.5% -0.8%	-79.6% -35.9%	-58.8% -42.2%
	Shopping	8.832	-0.8% -15.2%	-22.9%	-38.8%
Re	•	21.247	-14.7%	-56.0%	-46.1%
NONRESIDENTIAL E		247.798	-9.6%	-9.4%	-6.7%
	Multi-Family	61.049	-24.0%	-68.5%	-48.0%
	Single-Family	138.552	3.1%	-8.7%	2.9%
RESIDENTIAL	g.cy	199.601	-7.0%	-29.6%	-10.8%
NONRESIDENTIAL		439.411	-0.2%	-3.8%	-13.5%

Table 1 conforms to the type-of-structure ordering adopted by many firms and organizations in the industry. Specifically, it breaks nonresidential building into ICI work (i.e., industrial, commercial and institutional), since each has its own set of economic and demographic drivers. Table 6 presents an alternative, perhaps more user-friendly and intuitive type-of-structure ordering that matches how the data appears in Construct-Connect's online product 'Insight'.

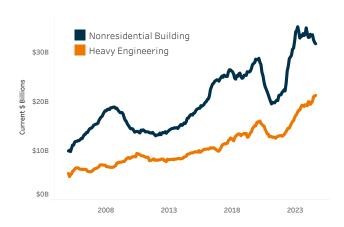
"Top Ten" Projects of the Month ConstructConnect's Top 10 Project Starts in August 2024

Location	Type of Construction	Description	Square Feet (000's)	Dollars (Millions, \$)
California Sunnyvale	Industrial	Applied Materials Equipment and Process Innovation and Commercialization (EPIC) Center	600	\$4,000
Wisconsin Mount Pleasant	Commercial	Microsoft Data Center - Mount Pleasant	3,300	\$3,300
Virginia Manassas	Commercial	Kessinger Hunter VA3, VA4, VA5 Iron Mountain Data Center Expansion	1,600	\$1,600
New York Riverhead	Heavy	Sunrise Wind Project	-	\$1,500
Illinois Evanston	Commercial	Ryan Field Stadium at Northwestern University	740	\$800
Alabama Montgomery	Commercial	Meta Data Center / Montgomery	715	\$800
Minnesota Rosemount	Commercial	Meta Data Center - Project Bigfoot	715	\$800
New York Albany	Heavy	Offshore Wind Tower Manufacturing Complex - Port of Albany (Beacon Island)	560	\$604
Texas Red Oak	Commercial	Google Red Oak Data Center	285	\$600
Texas Austin	Institutional	Red McCombs School of Business New Building - 102-1422 - University of Texas System	700	\$425
TOTALS			9,215	\$14,429

^{*}A square footage measure does not apply for alteration, some forms of industrial (e.g., petrochemical) and most engineering/civil work.

Trend graphs for 12 key categories

U.S. Nonresidential Construction Starts — ConstructConnect (12-Month Moving Average)



U.S. Commercial and Institutional Construction Starts — ConstructConnect

(12-Month Moving Average)



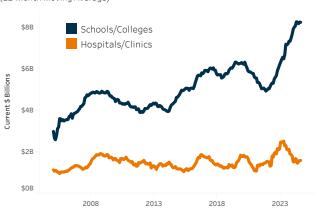
${\bf U.S.\ Retail\ and\ Private\ Office\ Building\ Construction\ Starts--}\\ {\bf ConstructConnect}$





U.S. Hospitals/Clinic and School/College Construction Starts — ConstructConnect

(12-Month Moving Average)



${\it U.S. Roads/Highways and Water/Sewage Construction Starts--ConstructConnect}\\$

(12-Month Moving Average)



U.S. Bridges and Miscellaneous Civil Construction Starts — ConstructConnect

(12-Month Moving Average)



The last data points in all the graphs on this page are for May 2024.

Detailed national table

Value of U.S. National Construction Starts

August 2024 ConstructConnect® — Billions of current \$'s, not seasonally adjusted (NSA)

	ī	Latact month actuals				touing nunrages (al	acad in and manth)			Voor to Do	ato.
		Latest month actuals			3-months		aced in end month)	12-months		Year to Da	
	Jun 24	Jul 24	Aug 24	Jun 24	Jul 24	Aug 24	Jun 24	Jul 24	Aug 24		an -Aug 2024
Single Family month-over-month % change	18.817		16.669 2.9%	18.781 1.3%	17.774 -5.4%	17.228 -3.1%	17.578 -0.1%	17.278 -1.7%	17.147 -0.8%	134.349	138.55
year-over-year % change	-1.0%	6 -18.2%	-8.7%	1.8%	-8.6%	-9.4%	9.3%	6.9%	6.2%	-18.9%	3.19
Apartment month-over-month % change	6.026 -10.0%		3.091 -48.0%	7.194 -2.5%	6.223 -13.5%	5.022 -19.3%	8.981 -4.7%	8.765 -2.4%	8.205 -6.4%	80.333	61.04
year-over-year % change	-46.6%	6 -30.4%	-68.5%	-24.9%	-36.6%	-49.2%	-23.0%	-23.4%	-24.9%	-18.0%	-24.09
TOTAL RESIDENTIAL month-over-month % change	24.843 -0.6%		19.759 -10.8%	25.974 0.2%	23.997 -7.6%	22.250 -7.3%	26.559 -1.7%	26.043 -1.9%	25.352 -2.7%	214.683	199.60
year-over-year % change	-18.0%	6 -21.8%	-29.6%	-7.3%	-18.0%	-23.0%	-4.3%	-5.6%	-6.3%	-18.6%	-7.09
Hotel/Motel month-over-month % change	0.596		0.381 -58.8%	1.132 -6.4%	0.860 -24.0%	0.634 -26.3%	1.275 -3.7%	1.175 -7.8%	1.051 -10.6%	9.496	7.45
year-over-year % change	-49.9%		-79.6%	13.9%	-35.5%	-63.3%	28.4%	14.9%	-0.9%	21.2%	-21.59
Retail/Shopping month-over-month % change	0.956		0.752 -38.8%	1.119 -6.7%	1.047 -6.4%	0.978 -6.6%	1.127 -2.2%	1.114 -1.1%	1.096 -1.7%	10.413	8.83
year-over-year % change	-23.8%		-22.9%	-29.5%	-18.2%	-18.7%	-2.8%	-6.0%	-7.0%	-10.7%	-15.29
Parking Garages month-over-month % change	0.136		0.151 11.1%	0.175 0.7%	0.154 -12.1%	0.141 -8.4%	0.186 1.4%	0.186 0.0%	0.187 0.3%	1.191	1.32
year-over-year % change	29.3%		5.1%	-6.8%	-14.2%	10.1%	-2.2%	1.2%	4.0%	-18.0%	11.2
Amusement month-over-month % change	1.172		0.918 -48.5%	1.253 4.9%	1.322 5.5%	1.291 -2.3%	0.903 3.4%	0.995 10.1%	0.986 -0.9%	6.813	9.41
year-over-year % change	43.5%	6 161.1%	-10.5%	42.7%	94.2%	53.4%	12.9%	28.0%	24.0%	32.5%	38.1
Office month-over-month % change	1.309 -61.2%		7.667 722.1%	1.773 -34.9%	1.871 5.6%	3.303 76.5%	2.874 -5.2%	2.708 -5.8%	2.974 9.8%	19.032	22.26
year-over-year % change	-58.9%	68.1%	71.4%	-13.0%	-21.6%	-6.3%	46.7%	35.3%	29.3%	18.7%	17.09
Governmental Offices month-over-month % change	1.813		1.354	1.545	1.497	1.486	1.336	1.330	1.297	11.566	10.88
year-over-year % change	31.0% -10.8%	6 -5.1%	4.8% -22.9%	12.5% -6.7%	-3.1% -13.8%	-0.7% -13.4%	-1.4% 1.8%	-0.4% 0.9%	-2.5% -4.1%	34.6%	-5.99
aboratories month-over-month % change	0.355		0.571	0.411	0.488	0.487	0.462	0.486	0.517	2.017	3.30
month-over-month % change year-over-year % change	-38.4% 94.7%		6.9% 184.6%	16.7% 63.7%	18.8% 97.1%	-0.3% 132.6%	3.2% 25.8%	5.2% 35.9%	6.3% 79.8%	-42.0%	63.7
Warehouse	1.870		1.552	1.659	1.812	1.608	1.754	1.680	1.537	16.916	12.46
month-over-month % change year-over-year % change	-13.6% 19.9%		10.7% -52.6%	-6.0% -25.0%	9.2% -28.8%	-11.2% -32.2%	1.5% -23.3%	-4.2% -22.4%	-8.5% -31.5%	-17.4%	-26.39
Misc Commercial	0.996		1.216	0.940	1.799	1.842	1.079	1.276	1.324	12.380	11.78
month-over-month % change year-over-year % change	-8.3% -70.6%		-63.3% 91.0%	-34.9% -43.5%	91.5% 11.0%	2.4% 10.9%	-15.6% -19.8%	18.2% -3.7%	3.8% -0.6%	32.2%	-4.89
TOTAL COMMERCIAL	9.759	12.209	14.944	10.622	11.445	12.304	11.606	11.566	11.565	94.818	92.68
month-over-month % change year-over-year % change	-21.1% -31.9%		22.4% 0.0%	-12.4% -12.4%	7.8% -9.6%	7.5% -12.1%	-3.2% 4.7%	-0.4% 5.3%	0.0% 1.8%	6.0%	-2.39
TOTAL INDUSTRIAL (Manufacturing)	3.382	7.933	4.365	3.457	5.655	5.227	7.091	6.692	6.567	65.958	40.26
month-over-month % change year-over-year % change	-40.1% -56.3%		-45.0% -25.5%	-31.2% -47.5%	63.6% -38.1%	-7.6% -40.4%	-4.9% -23.4%	-5.6% -27.8%	-1.9% -29.7%	-4.7%	-39.09
Religious	0.117		0.054	0.134	0.107	0.077	0.110	0.106	0.106	0.704	0.84
month-over-month % change year-over-year % change	-17.0%		-11.0%	10.0%	-20.2%	-27.3%	-0.2%	-4.2%	0.6%	2.00	20.20
Hosptials/Clinics	-2.7% 2.237		17.5% 1.175	36.3% 1.693	-3.1% 1.807	-18.1% 1.788	22.6% 1.535	11.0% 1.595	20.6% 1.604	2.6% 16.713	20.39 14.20
month-over-month % change year-over-year % change	81.3%		-39.7%	-15.1%	6.7%	-1.1%	4.6%	3.9% -25.5%	0.6%	2.50	45.00
Nursing/Assisted Living	57.2% 0.143		10.6% 0.099	-26.8% 0.265	-12.9% 0.162	44.1% 0.143	-34.0% 0.247	-25.5% 0.248	-23.7% 0.240	-3.5% 1.678	-15.09 1.68
month-over-month % change	-8.3%	6 30.3%	-47.0%	-17.4%	-39.1%	-11.8%	0.6%	0.5%	-3.1%		
year-over-year % change Libraries/Museums	13.1%		-48.3% 0.331	58.3% 0.417	0.8%	-12.6% 0.351	-15.4% 0.470	-7.1% 0.476	4.5% 0.447	-52.1% 3.122	0.49 3.42
month-over-month % change	-67.8%	81.6%	-29.1%	-20.5%	21.7%	-30.7%	-6.2%	1.3%	-6.1%		
year-over-year % change Fire/Police/Courthouse/Prison	-59.3% 1.152		-51.5% 0.944	3.8% 2.125	20.4%	-38.2% 1.009	41.1% 1.638	41.9% 1.484	22.0% 1.490	34.6% 8.056	9.79
month-over-month % change	-73.7%	6 -19.3%	1.5%	0.7%	1.3%	-53.1%	1.7%	-9.4%	0.4%		
year-over-year % change Military	40.4%		8.1%	170.2%	48.7%	-32.4%	105.4%	54.1%	56.2%	47.7% 12.364	43.19
month-over-month % change	1.034 27.4%		0.831 25.0%	0.836 14.5%	0.837 0.1%	0.843 0.8%	0.892 -22.1%	0.837 -6.2%	0.797 -4.9%	12.364	5.73
year-over-year % change	-74.6%		-37.0%	-56.3%	-60.9%	-62.3%	-29.4%	-36.5%	-42.0%	120.0%	-53.69
Schools/Colleges month-over-month % change	12.961 35.1%		7.458 -6.6%	10.598 19.0%	10.178 -4.0%	9.467 -7.0%	8.196 -0.9%	8.273 0.9%	8.265 -0.1%	64.473	71.41
year-over-year % change	-6.7%	6 13.0%	-1.3%	4.3%	-0.7%	-0.4%	13.8%	15.3%	14.5%	23.1%	10.89
Misc Medical month-over-month % change	0.434 -66.2%		0.398 0.6%	0.787 -29.9%	0.704 -10.5%	0.409 -41.9%	0.864 -2.7%	0.842 -2.5%	0.771 -8.4%	6.208	6.01
year-over-year % change	-39.5%	6 -39.8%	-68.1%	-14.2%	4.4%	-53.2%	2.8%	1.8%	-12.8%	-33.3%	-3.29
TOTAL INSTITUTIONAL month-over-month % change	18.335		11.289 -10.7%	16.854 6.5%	16.454 -2.4%	14.087 -14.4%	13.953 -2.0%	13.861 -0.7%	13.720 -1.0%	113.317	114.85
year-over-year % change	-15.9%		-13.0%	0.6%	-4.8%	-12.9%	6.1%	5.6%	3.8%	17.3%	1.49
Misc Non Residential month-over-month % change	0.557 -1.6%		0.382 -42.2%	0.615 -9.9%	0.595 -3.3%	0.534 -10.3%	0.610 -0.7%	0.614 0.7%	0.597 -2.9%	4.995	4.95
year-over-year % change	-8.4%		-35.9%	-7.2%	-8.9%	-12.0%	-9.1%	-5.5%	-4.9%	-8.6%	-0.8
FOTAL NON-RES BUILDING month-over-month % change	31.477 -13.5%		30.598 -6.7%	30.933 -6.2%	33.555 8.5%	31.618 -5.8%	32.650 -3.1%	32.118 -1.6%	31.853 -0.8%	274.093	247.79
year-over-year % change	-13.5%		-9.4%	-12.8%	-14.1%	-5.8% -18.8%	-3.1% -2.5%	-3.8%	-0.8% -6.1%	7.4%	-9.69
Airports	1.252		1.207	2.133	2.491	1.411	1.044	1.137	1.164	6.752	10.85
month-over-month % change year-over-year % change	-71.8% -11.5%		-32.0% 37.5%	14.4% 96.4%	16.8% 135.2%	-43.4% 43.4%	-1.3% 34.5%	8.9% 50.1%	2.4% 49.3%	34.3%	60.7
Roads/Highways	10.029	9.235	7.008	10.856	9.495	8.757	8.029	8.035	7.990	71.111	71.64
month-over-month % change year-over-year % change	8.7% 1.9%		-24.1% -7.0%	6.8% 6.6%	-12.5% -2.2%	-7.8% -1.0%	0.2% 3.0%	0.1% 1.6%	-0.6% 1.1%	17.0%	0.7
Bridges	1.990	4.408	1.798	2.686	2.854	2.732	2.070	2.257	2.260	17.643	20.40
month-over-month % change year-over-year % change	-8.0% 18.8%		-59.2% 2.0%	1.9% 13.6%	6.2% 38.5%	-4.3% 46.2%	1.3% -7.2%	9.0% 0.1%	0.1% 5.3%	-9.8%	15.79
Dams/Marine	1.113	0.934	0.987	0.825	0.903	1.012	1.003	1.013	0.986	8.146	7.76
month-over-month % change year-over-year % change	68.7% 83.6%		5.7% -24.8%	36.0% -34.9%	9.4% 36.0%	12.1% 11.0%	4.4% 0.5%	1.0% 0.6%	-2.7% 0.8%	40.0%	-4.7
Vater/Sewage	6.216		4.653	5.863	5.827	5.635	4.474	4.618	4.651	32.414	39.95
month-over-month % change	18.9%	6 -2.9%	-22.9% 9.4%	18.6%	-0.6%	-3.3% 29.4%	3.3%	3.2%	0.7%		23.3
year-over-year % change Misc Civil (Power, etc.)	38.0% 16.701		9.4% 3.456	32.8% 7.055	32.6% 6.959	29.4% 7.484	16.1% 4.434	19.5% 4.165	19.3% 4.273	11.5% 30.128	40.99
month-over-month % change	787.5%	6 -86.3%	50.5%	269.5%	-1.4%	7.5%	19.7%	-6.1%	2.6%		
year-over-year % change OTAL ENGINEERING (Civil)	109.8%		59.8% 19.109	82.0% 29.419	38.7% 28.529	43.5% 27.031	34.8% 21.055	17.6% 21.225	20.6% 21.325	77.7% 166.195	36.1 191.61
month-over-month % change	58.0%	6 -33.8%	-22.6%	33.0%	-3.0%	-5.3%	4.7%	0.8%	0.5%		
year-over-year % change GRAND TOTAL	43.4% 93.621		6.7% 69.467	26.8% 86.326	24.6% 86.081	21.8% 80.899	11.2% 80.264	9.8% 79.386	10.8% 78.529	21.1% 654.970	15.3° 639.01
month-over-month % change	10.1%		-12.7%	6.5%	-0.3%	-6.0%	-0.7%	79.386 -1.1%	78.529 -1.1%		
year-over-year % change	-6.5%	6 -11.7%	-12.9%	-0.4%	-5.7%	-10.1%	0.1%	-1.2%	-2.1%	-0.2%	-2.4
NON-RES BLDG + ENGINEERING	68.778		49.708 -13.5%	60.352 9.5%	62.084 2.9%	58.649 -5.5%	53.705 -0.2%	53.343 -0.7%	53.177 -0.3%	440.288	439.41
month-over-month % change year-over-year % change	14.6%	-16.5%	-13.376	9.376	2.9/0	-3.376			-0.3761		