

November 22, 2018

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026141-0108**VIA FEDERAL EXPRESS AND EMAIL**

Ms. Courtney Avery
Administrator
Illinois Health Facilities and Services Review
Board
525 West Jefferson Street, 2nd Floor
Springfield, Illinois 62761

Mr. Mike Constantino
Supervisor, Project Review Section
Illinois Health Facilities and Services Review
Board
525 West Jefferson Street, 2nd Floor
Springfield, Illinois 62761

Re: Silver Cross Structural Heart Program, Project No. 18-020

Dear Ms. Avery and Mr. Constantino:

We are counsel to Silver Cross Hospital and Medical Centers ("Silver Cross Hospital") and Silver Cross Health System (collectively with Silver Cross Hospital, the "Applicants"). As you know, on July 19, 2018, the Applicants filed a Certificate of Need Application (the "CON Application") with the Illinois Health Facilities & Services Review Board (the "Review Board") to establish an open heart surgery category of service (the "Project") at Silver Cross Hospital in New Lenox, Illinois (Will County) to address the increasing demand (and need) for advanced cardiac solutions on the Silver Cross Hospital campus. The CON Application was deemed complete by the Review Board on July 23, 2018. A public hearing was **not** requested for the Project.

On November 20, 2018, the Review Board Staff issued the State Agency Report for the Project. The State Agency Report determined that the Applicants were in compliance with eighteen (18) standards and out of compliance with three (3) standards. Pursuant to Section 6 of the Health Facilities Planning Act, 20 ILCS 3960/1 et seq., and the relevant regulations found at 77 Ill. Admin. 1100, et seq., we have found legal and factual errors in the State Agency Report in each of the three (3) standards identified by the State Agency Report as non-compliant, as set forth below.

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Criterion 1110.220(B)(2), Establishment of Open Heart

Criterion 1110.220(b)(2) provides as follows:

“The applicant must document that a minimum of 200 open heart surgical procedures will be performed during the second year of operation **or** that 750 cardiac catheterizations were performed in the latest 12-month period for which data is available. Anticipated open heart surgical volume must be documented by historical referral volume of at least 200 patients directly referred following catheterization at the applicant facility to other institutions for open heart surgery for each of the last 2 years.” (emphasis added).

Thus, according to the specific language of Criterion 1110.220(b)(2), an applicant must comply with **one** of the following elements: 1) the applicant must document that it will perform 200 open heart surgeries during the second year of operation; **or** 2) the applicant must have performed at least 750 cardiac catheterizations in the latest 12 month period. The second sentence in Criterion 1110.220(b)(2) merely qualifies the first clause of the first sentence. In other words, the second sentence in Criterion 1110.220(b)(2) does **not** convert the “or” in the first sentence to an “and.”

Unfortunately, contrary to the specific language of the Criterion, the State Agency Report for Project 18-020 asserts that an applicant must establish that a minimum of 200 open heart surgical procedures will be performed during the second year of operation **and** that 750 cardiac catheterizations were performed in the latest 12-month period for which data is available. See page 17 of the State Agency Report for Project 18-020.

In other words, the State Agency Report for Project 18-020 has replaced the “or” set forth in Criterion 1110.220(b)(2) with an “and,” thereby obligating the Applicants to satisfy both elements, when, in fact, the Criterion only obligates the Applicants to satisfy one element. That is not only contrary to the specific language set forth in Criterion 1110.220(b)(2); that is also contrary to the specific language set forth in 77 Ill. Admin 1100.610(c), which also contains an “or” between the two elements.

Specifically, 77 Ill. Admin 1100.610(c) provides as follows:

“The need for an open heart surgery category of service shall be institution specific and determined by the volume of at least 200 patients referred to other institutions for surgery following a cardiac catheterization procedure at the applicant facility **or** a minimum of 750 cardiac catheterizations were performed annually at the applicant facility.” (emphasis added)

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To make matters even worse, the Review Board has previously determined that an applicant only has to satisfy one of the two elements set forth in Criterion 1110.220(b)(2) to satisfy the Criterion. More specifically, in Project No. 06-001 (Northern Illinois Medical Center – Open Heart Surgery), the State Agency Report stated as follows:

“According to the requirements of this criterion, **the applicant must comply with one of the following**: 1) the applicant must document that it will perform 200 open heart surgeries during the second year of operation; **or** 2) the applicant must have performed at least 750 cardiac catheterizations in the latest 12 month period. The applicants’ facility performed 847 cardiac catheterizations from December 1, 2004 through November 30, 2005. It appears the applicants have demonstrated compliance with the second requirement of the criterion. Therefore a positive finding can be made.” (emphasis added). See page 3 of State Agency Report for Project No. No. 06-001.

And for Project No. 06-083 (Vista Medical Center East – Open Heart Surgery), the State Agency Report stated as follows:

“According to the applicants, Vista Medical Center East performed 760 cardiac catheterizations from July 1, 2005 through June 30, 2006 (the latest 12-month period for which data was available). It appears the applicants have demonstrated compliance with the second requirement of the criterion. **Therefore a positive finding can be made.**” (emphasis added) See page 4 of State Agency Report for Project No. No. 06-083.

In other words, in the past, the Review Board has correctly interpreted the Criterion and determined that an applicant only has to satisfy one of the two elements set forth in Criterion 1110.220(b)(2) to satisfy the Criterion.

In the Project at hand, 3,514 diagnostic and interventional cardiac catheterizations were performed at Silver Cross Hospital in 2017. Thus, Silver Cross Hospital has easily satisfied Criterion 1110.220(b)(2), which only requires an applicant to document “that 750 cardiac catheterizations were performed in the latest 12-month period for which data is available.”

For these reasons, the Applicants believe that the negative finding set forth in the State Agency Report on page 17 for Criterion 1110.220(b)(2) should be changed to reflect conformance with the Criterion.

Criterion 1110.220(B)(3), Unnecessary Duplication of Services

Page 17 of the State Agency Report for Project No. 18-020 states that the Criterion for Section 1110.220(B)(3) provides as follows:

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“Unnecessary Duplication of Services. The applicant must document that the volume of any existing service within 90 minutes travel time from the applicant will not be reduced below 350 procedures annually for adults and 75 procedures annually for pediatrics. Documentation shall consist of proof of contact of all facilities within 90 minutes travel time currently providing open heart surgery to determine the projected impact the project will have on existing open heart surgery volume.”

The State Agency Report then states that the “Board Staff identified 46 acute care hospitals within a 90-minute service area of Silver Cross Hospital that offer Open Heart Surgery services (See Table 4). Of the 46 facilities, 15 (32.6%) are operating at sufficient capacity to satisfy the State Standard.” See page 17 of the State Agency Report for Project No. 18-020. Presence St. Joseph Medical Center in Joliet (“Presence-St. Joes”) is identified as performing 219 cardiac cases and operating at sufficient capacity to satisfy the State Standard. See page 23 of the State Agency Report for Project No. 18-020.

Unfortunately, the State Agency Report completely ignores the new “normal travel time to distance” rules set forth in 77 Ill. Admin. 1100.510(d)(1), which went into effect on March 7, 2018. That section states as follows:

“Distance Determinations. Normal travel radius for proposed projects shall be based upon the location of the applicant facility.

- 1) **For applicant facilities located in the Chicago Metropolitan counties of Cook, DuPage, Lake, Will and Kane, the radius shall be 10 miles.**
- 2) For applicant facilities located in the counties of Kankakee, Grundy, Kendall, DeKalb, McHenry, Winnebago, Champaign, Sangamon, Peoria, Tazewell, Rock Island, Madison, Monroe and St. Clair, the radius shall be 17 miles.
- 3) For applicant facilities located in any other area of the State, the radius shall be 21 miles.” (emphasis added).

The Review Board literally issued a Notice on March 14, 2018, advising the public that the new “normal travel time to distance” rules would be strictly enforced and that any CON applications deemed complete on or after March 7, 2018 “would be evaluated for conformance with the version of the rules that contains distance.” That same Notice also warned applicants that any “applicants with applications deemed complete prior to March 7, 2018 that attempt to analyze their application with the distance determinations at a Board meeting, or otherwise, will be reminded of the rule set forth in Section 1130.620(d).” Section 1130.620(d) states that “all applications will be reviewed and evaluated for conformance with the applicable review criteria

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in effect at the time the application is deemed complete.” A copy of the Review Board’s March 14, 2018 Notice is attached hereto as Exhibit A.

The new “normal travel time to distance” rules set forth in 77 Ill. Admin. 1100.510(d)(1) echoed exactly what was set forth on page 5442 of the March 23, 2018 Illinois Register, a copy of which is attached as Exhibit B. In other words, the new “normal travel time to distance” rules set forth in 77 Ill. Admin. 1100.510 followed the formal administrative rule making process set forth in the Illinois Administrative Procedure Act, 5 ILCS, 100, et seq., and are thus binding on the Review Board.

Thus, the “90 minute travel time” requirement set forth in Section 1110.220(B)(3) was formally converted to a “10 mile distance” requirement by virtue of Section 1100.510(d)(1), effective as of March 7, 2018. Because the Applicants’ CON Application was deemed complete on July 23, 2018, and because Silver Cross Hospital is located in Will County, Illinois, the Review Board was absolutely obligated to follow its own rules and convert the “90 minute travel time” requirement set forth in Section 1110.220(B)(3) to a “10 mile distance.”

Indeed, on August 23, 2018, the Review Board literally acknowledged that the “normal travel time of 90 minutes” requirement set forth in Section 1110.220(B)(3) was converted to a “10 mile distance” requirement when it filed proposed amendments to Section 1110.220(B)(3). Those proposed amendments, however, have not been formally been adopted in Illinois. And even if the August 23, 2018 proposed amendments are formally adopted in Illinois, by virtue of Section 1130.620(d), and the Illinois Administrative Procedure Act, the proposed amendments would only apply to CON applications filed on or after the effective date of the proposed amendments.

For all of these reasons, the Review Board was bound by its rules in existence on July 23, 2018; which means the “90 minute travel time” requirement set forth in Section 1110.220(B)(3) was converted to a “10 mile distance” requirement. That means that the only hospital that was subject to Section 1110.220(B)(3) was Presence-St. Joes. In other words, the Review Board Staffers should not have reviewed the other 45 hospitals within 90 minutes of Silver Cross Hospital. That also means that the only hospital within 10 miles of Silver Cross Hospital (i.e., Presence-St. Joes) was, as set forth in State Agency Report, “operating at sufficient capacity to satisfy the State Standard.” See page 23 of the State Agency Report for Project No. 18-020.

For these reasons, the Applicants believe that the negative finding set forth in the State Agency Report on page 28 for Criterion 1110.220(B)(3) should be changed to reflect conformance with the Criterion.

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Criterion 1120.140(c), Reasonableness of Project Costs

On June 8, 2018, the Review Board's Staff stated that the "RS Means number in Will County for 2018 is \$543.15 for new construction for a hospital, modernization would be 70% of that number. 3% is the cost escalator." See June 8, 2018 email, attached hereto as Exhibit C.

On page 21 of the State Agency Report for Project No. 18-020, the State Agency Report, in direct contraction to the information provided to the Applicants in June, states that the Project's construction cost and contingency costs "appears high when compared to the State Board Standard of \$455.62/GSF [2019 midpoint of construction.]"

So, in other words, in the course of five short months, the State Board Standard seemingly decreased by sixteen percent (16%). That is not only illogical (because construction costs in Will County did not decrease in the last five months) but also directly contradicts the RS Means data. And, as set forth in the Applicants' CON Application, the midpoint of construction for Project No. 18-020 is 2021 (not 2019).

77 Ill. Admin. 1120, Appendix A, provides as follows:

"New Construction and Modernization Costs per Gross Square Foot (GSF) Hospital and long-term care (LTC) cost standards are derived from the RSMeans Building Construction Cost Data (Means) publication (RSMeans, 63 Smiths Lane, PO Box 800, Kingston MA 02364-9988, 800/334-3509; 2015, no later amendments or editions included, and will be adjusted (for inflation and location) for each project to the current year (www.rsmeans.com). Cost standards for the other types of facilities are derived from the third quartile costs of previously approved projects and are to be adjusted to the current year based upon historic inflation rates from RSMeans."

Type of Facility	New Construction	Modernization
Hospital	Adjusted Means 3 rd Quartile	70% of Adjusted Means 3 rd Quartile

After reviewing the State Agency Report, the Applicants obtained their own copy of the RS Means Data and performed their own calculations based upon the above instructions. Using the RS Means 2015 data, and applying the correct adjustments, the Applicants generated a construction and contingency cost per gross square foot of \$551.01 through the midpoint of construction in 2021, as set forth in the following chart:



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Calculation Based on RS Means 2015 Data	
Item Description	Cost
Means Base Cost /SF (2018 75% Percentile)	\$355.00
Will County Modifier (Joliet)	\$1.23
Adjusted: Base x Modifier	\$437.01
RS Means 2015 to 2018 Escalation	\$458.42
Escalate to Mid-Point of Construction (3% per year times 3 years (2021))	$\$458.42 \times (1.03) \times (1.03) \times (1.03) = \500.92
Contingencies (10% of Construction Costs)	\$50.09
Total Cost Per Square Foot	\$551.01

Using the RS Means 2018 data, and applying the correct adjustments, the Applicants generated a construction and contingency cost per gross square foot of \$554.88 through the midpoint of construction in 2021, as set forth in the following chart:

Calculation Based on RS Means 2018 Data	
Item Description	Cost
Means Base Cost /SF (2018 75% Percentile)	\$375.00
Will County Modifier (Joliet)	\$1.23
Adjusted: Base x Modifier	\$461.63
Escalate to Mid-Point of Construction (3% per year times 3 years (2021))	$\$461.63 \times (1.03) \times (1.03) \times (1.03) = \504.44
Contingencies (10% of Construction Costs)	\$50.44
Total Cost Per Square Foot	\$554.88

Attached hereto as Exhibit D is the source data that the Applicants used to calculate the above numbers.

To state the obvious, the Applicants' calculation of the construction and contingency costs per square foot (for both 2015 (as adjusted) or 2018)) are very close to the cost figure originally provided by the Review Board Staff in June of 2018. Indeed, accounting for another two quarters of inflation, the cost figure provided by Review Board Staff in June of 2018 (i.e., \$543.15) would be \$551.20 (i.e., $\$543.15 \times 1.015$).

In the Project at hand, the Applicants' construction and contingency costs per square foot was \$516.39. That number is below: (a) the number originally provided by the Review Board Staff in June of 2018 (i.e., \$543.15); (b) the adjusted RS Means 2015 Data (i.e., \$551.01); and (c) the RS Means 2018 Data (i.e., \$554.88).



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For these reasons, the Applicants believe that the negative finding set forth in the State Agency Report on page 21 for Criterion 1120.140(c) should be changed to reflect conformance with the Criterion.

The Applicants reserve their right to supplement this Response.

Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in cursive script, reading 'Edward J. Green'.

Edward J. Green

EJG:sxc

cc: Ms. Ruth Colby, President & CEO, Silver Cross Hospital
Ms. Mary Bakken, Executive President & COO, Silver Cross Hospital
Mr. Geoffrey Tryon, Vice President, Operations, Silver Cross Hospital

EXHIBIT A



(/sites/hfsrb/)

Announcement Regarding Normal Travel Time vs. Distance

Date: 3/14/2018

The conversion from normal travel time to distance in 77 Ill. Adm. Code 1100, 1110 and 1125 are effective March 7, 2018. The changes are posted on HFSRB's website and will be published in the March 23, 2018 issue of the *Illinois Register*.

Pursuant to Section 1130.620(d), "all applications will be reviewed and evaluated for conformance with the applicable review criteria in effect at the time the application [was] deemed complete." Thus, applications deemed complete prior to March 7, 2018 will be evaluated for conformance with the version of the rules that contains normal travel time. Applications deemed complete on March 7, 2018 or later will be evaluated for conformance with the version of the rules that contains distance.

Applicants that already submitted applications that were deemed complete on or after March 7, 2018 will be asked to supplement their application with additional information using the distance determinations.

Applicants with applications deemed complete prior to March 7, 2018 that attempt to analyze their application with the distance determinations at a Board meeting, or otherwise, will be reminded of the rule set forth in Section 1130.620(d).

Illinois Health Facilities and Services Review Board
525 W. Jefferson St., Second Floor
Springfield, IL 62761
Phone: 217-782-3516
TTY: 800-547-0466
Fax: 217-785-4111

(/sites/hfsrb/About/Pages/Contact.aspx)

Illinois.gov Home (/) (/)

EXHIBIT B

2018

ILLINOIS

REGISTER

Rules of
Governmental Agencies



Volume 42, Issue 12

March 23, 2018

Pages 5,056 - 5,623

Index Department
Administrative Code Division
111 E. Monroe St.
Springfield, IL 62756
217-782-7017

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HEALTH FACILITIES AND SERVICES REVIEW BOARD

NOTICE OF ADOPTED AMENDMENTS

allocate portions of a facility's beds and services to more than one planning area.

d) Distance~~Normal Travel Time~~ Determinations

Normal travel radius~~Travel Time~~ for proposed projects shall be the time determined by MapQuest, Inc. (MapQuest—www.mapquest.com) multiplied by an adjustment factor that is based upon the location of the applicant facility.

- 1) For applicant facilities located in the Chicago Metropolitan counties of Cook, DuPage, Lake, Will and Kane~~City of Chicago, the radius~~Normal Travel Time shall be 10 miles~~calculated as MapQuest times 1.25~~.
- 2) For applicant facilities located in the counties of Kankakee, Grundy, Kendall, DeKalb, McHenry, Winnebago, Champaign, Sangamon, Peoria, Tazewell, Rock Island, Madison, Monroe and St. Clair~~Chicago Metropolitan region, including counties of Cook (excluding Chicago), DuPage, Will, Kendall, Kane, McHenry, Lake and Aux Sable Township of Grundy County, plus the counties of Winnebago, Peoria, Sangamon and Champaign, the radius~~Normal Travel Time shall be 17 miles~~calculated as MapQuest times 1.15~~.
- 3) For applicant facilities located in any other area of the State, the radius~~Normal Travel Time~~ shall be 21 miles~~calculated as MapQuest times 1.0~~.

e) Independent Travel Time Studies may be prepared and submitted in addition to the information found in subsection (d)~~above~~ to refine or supplement the determination of the applicable radius~~Normal Travel Time~~, provided that they are conducted as follows:

- 1) The study is conducted by an engineering firm pre-qualified in traffic studies by the Illinois Department of Transportation (~~IDOT~~) or prepared by a professional engineer also certified by the Institute of Transportation Engineers (~~ITE~~) as a Professional Traffic Operations Engineer (~~PTOE~~).
- 2) A 30-minute travel time radius from the applicant facility ~~A Travel Time~~ shall consist of a minimum of three round trips for each defined survey route.

EXHIBIT C

From: Constantino, Mike [<mailto:Mike.Constantino@Illinois.gov>]
Sent: Friday, June 08, 2018 9:10 AM
To: Green, Ed
Subject: number

Edward: the RS Means number in will county for 2018 is \$543.15 for new construction for a hospital, modernization would be 70% of that number. 3% is the cost escalation.

Mike Constantino
525 West Jefferson
Springfield, Illinois 62761
217-782-3516 (Phone)
217-785-4111 (Fax)

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EXHIBIT D

50 17 | Square Foot Costs

2015 RS MEA

50 17 00 S.F. Costs		UNIT				% OF TOTAL			
						4	MEDIAN	3/4	
2720	Plumbing	S.F.	.65	1.69	2.61	1.72%	2.70%	3.85%	41
2900	Electrical		2.12	2.80	4.08	4.52%	5.40%	6.35%	
3100	Total: Mechanical & Electrical	↓	4.11	6.05	7.50	7%	8.90%	11.05%	
3200									
9000	Per car, total cost	Car	16,300	20,400	26,000				
0010	GYMNASIUMS	S.F.	108	143	196				43
0020	Total project costs	C.F.	5.35	7.25	8.90				
1800	Equipment	S.F.	2.55	4.78	8.60	1.76%	3.26%	6.70%	
2720	Plumbing	↓	5.90	7.90	10.40	4.65%	6.40%	7.75%	
2770	Heating, ventilating, air conditioning		6.40	11.10	22.50	5.15%	9.05%	11.10%	
2900	Electrical		8.50	11.25	14.95	6.75%	8.50%	10.30%	
3100	Total: Mechanical & Electrical	↓	29	40.50	49.50	19.75%	23.50%	29%	
3500	See also division 11 66 00								
0010	HOSPITALS	S.F.	206	258	355				46
0020	Total project costs	C.F.	15.60	19.40	28				
1800	Equipment	S.F.	5.20	10.05	17.30	80%	2.53%	4.80%	
2720	Plumbing	↓	17.70	25	32	7.60%	9.10%	10.85%	
2770	Heating, ventilating, air conditioning		26	33.50	46.50	7.80%	12.95%	16.65%	
2900	Electrical		22.50	30.50	45.50	10%	11.75%	14.10%	
3100	Total: Mechanical & Electrical	↓	66.50	92.50	137	28%	33.50%	37%	
9000	Per bed or person, total cost	Bed	238,000	328,500	378,500				
9900	See also division 11 71 00								
0010	HOUSING For the Elderly	S.F.	101	128	157				48
0020	Total project costs	C.F.	7.20	10	12.80				
0100	Site work	S.F.	7.05	10.95	16.05	5.05%	7.90%	12.10%	
0500	Masonry	↓	1.91	11.55	16.85	1.30%	6.05%	11%	
1800	Equipment		2.45	3.37	5.35	1.88%	3.23%	4.43%	
2510	Conveying systems		2.29	3.31	4.49	1.78%	2.20%	2.81%	
2720	Plumbing	↓	7.50	9.60	12.10	8.15%	9.55%	10.50%	
2730	Heating, ventilating, air conditioning		3.86	5.45	8.15	3.30%	5.60%	7.25%	
2900	Electrical		7.55	10.25	13.10	7.30%	8.50%	10.25%	
3100	Total: Mechanical & Electrical	↓	26	32	41	18.10%	22.50%	29%	
9000	Per rental unit, total cost	Unit	94,000	110,000	122,500				
9500	Total: Mechanical & Electrical		21,000	24,100	28,100				
0010	HOUSING Public (Low Rise)	S.F.	85	118	154				50
0020	Total project costs	C.F.	6.75	9.45	11.75				
0100	Site work	S.F.	10.85	15.60	25.50	8.35%	11.75%	16.50%	
1800	Equipment	↓	2.31	3.77	5.75	2.26%	3.03%	4.24%	
2720	Plumbing		6.15	8.10	10.25	7.15%	9.05%	11.60%	
2730	Heating, ventilating, air conditioning		3.08	6	6.55	4.26%	6.05%	6.45%	
2900	Electrical		5.15	7.65	10.65	5.10%	6.55%	8.25%	
3100	Total: Mechanical & Electrical	↓	24.50	31.50	35	14.50%	17.55%	26.50%	
9000	Per apartment, total cost	Apt.	93,500	106,500	133,500				
9500	Total: Mechanical & Electrical		19,900	24,600	27,200				
0010	ICE SKATING RINKS	S.F.	72.50	170	187				51
0020	Total project costs	C.F.	5.35	5.45	6.30				
2720	Plumbing	S.F.	2.72	5.10	5.20	3.12%	3.23%	5.65%	
2900	Electrical	↓	7.80	11.95	12.65	6.30%	10.15%	15.05%	
0010	JAILS	S.F.	189	286	370				52
0020	Total project costs	C.F.	19.95	28	32.50				
1800	Equipment	S.F.	8.65	25.50	43.50	2.80%	6.95%	9.80%	
2720	Plumbing	↓	21.50	28.50	37.50	7%	8.90%	13.35%	
2770	Heating, ventilating, air conditioning		19.95	26.50	51.50	7.50%	9.45%	17.75%	
2900	Electrical		23.50	31.50	40	9.40%	11.70%	15.25%	
3100	Total: Mechanical & Electrical	↓	62	110	131	28%	31%	36%	
0010	LIBRARIES	S.F.	143	190	248				53
0020	Total project costs	C.F.	9.55	12	15.30				

2018 RS MEANS

50 17 | Project Costs

50 17 00 Project Costs			UNIT	UNIT COSTS			% OF TOTAL			
				1/4	MEDIAN	3/4	1/4	MEDIAN	3/4	
01	0000	Auto Sales with Repair	S.F.							01
	0100	Architectural		98.50	110	119	58%	64%	67%	
	0200	Plumbing		8.25	8.65	11.55	4.84%	5.20%	6.80%	
	0300	Mechanical		11.05	14.80	16.35	6.40%	8.70%	10.15%	
	0400	Electrical		17	21	26.50	9.05%	11.70%	15.90%	
	0500	Total Project Costs		165	173	177				
02	0000	Banking Institutions	S.F.							02
	0100	Architectural		149	183	222	59%	65%	69%	
	0200	Plumbing		6	8.35	11.60	2.12%	3.39%	4.19%	
	0300	Mechanical		11.90	16.45	19.40	4.41%	5.10%	10.75%	
	0400	Electrical		29	35	54	10.45%	13.05%	15.90%	
	0500	Total Project Costs		247	278	340				
03	0000	Court House	S.F.							03
	0100	Architectural		78.50	78.50	78.50	54.50%	54.50%	54.50%	
	0200	Plumbing		2.96	2.96	2.96	2.07%	2.07%	2.07%	
	0300	Mechanical		18.55	18.55	18.55	12.95%	12.95%	12.95%	
	0400	Electrical		24	24	24	16.60%	16.60%	16.60%	
	0500	Total Project Costs		143	143	143				
04	0000	Data Centers	S.F.							04
	0100	Architectural		177	177	177	68%	68%	68%	
	0200	Plumbing		9.70	9.70	9.70	3.71%	3.71%	3.71%	
	0300	Mechanical		24.50	24.50	24.50	9.45%	9.45%	9.45%	
	0400	Electrical		23.50	23.50	23.50	9%	9%	9%	
	0500	Total Project Costs		261	261	261				
05	0000	Detention Centers	S.F.							05
	0100	Architectural		164	174	184	52%	53%	60.50%	
	0200	Plumbing		17.35	21	25.50	5.15%	7.10%	7.25%	
	0300	Mechanical		22	31.50	37.50	7.55%	9.50%	13.80%	
	0400	Electrical		36	42.50	55.50	10.90%	14.85%	17.95%	
	0500	Total Project Costs		278	293	345				
06	0000	Fire Stations	S.F.							06
	0100	Architectural		97	120	174	49%	55.50%	63%	
	0200	Plumbing		9.45	13.30	15.75	4.86%	5.80%	6.30%	
	0300	Mechanical		12.80	18.65	24	5.45%	8.25%	9.70%	
	0400	Electrical		21.50	27.50	32.50	8.35%	12.80%	14.70%	
	0500	Total Project Costs		195	222	294				
07	0000	Gymnasium	S.F.							07
	0100	Architectural		82	108	108	57%	64.50%	64.50%	
	0200	Plumbing		2.01	6.60	6.60	1.58%	3.48%	3.48%	
	0300	Mechanical		3.09	28	28	2.42%	14.65%	14.65%	
	0400	Electrical		10.10	19.60	19.60	7.95%	10.35%	10.35%	
	0500	Total Project Costs		128	189	189				
08	0000	Hospitals	S.F.							08
	0100	Architectural		99.50	164	178	43%	47.50%	48%	
	0200	Plumbing		7.30	13.95	30	6%	7.45%	7.65%	
	0300	Mechanical		48.50	54.50	71	14.20%	17.95%	23.50%	
	0400	Electrical		22	44	57.50	10.95%	13.75%	16.85%	
	0500	Total Project Costs		233	345	375				
09	0000	Industrial Buildings	S.F.							09
	0100	Architectural		42	66.50	216	46%	54%	56.50%	
	0200	Plumbing		1.62	6.10	12.30	2%	3.06%	6.30%	
	0300	Mechanical		4.47	8.50	40.50	4.77%	5.55%	14.80%	
	0400	Electrical		6.80	7.80	65	7.85%	13.55%	16.20%	
	0500	Total Project Costs		74.50	97	400				
10	0000	Medical Clinics & Offices	S.F.							10
	0100	Architectural		79.50	118	152	48.50%	55.50%	62.50%	
	0200	Plumbing		8.10	12.20	19.65	4.44%	6.40%	8.05%	
	0300	Mechanical		13.70	25	42.50	8.30%	11.05%	17.25%	
	0400	Electrical		18.60	25	36	8.55%	12.10%	14.65%	
	0500	Total Project Costs		156	208	272				

City Cost Indexes ~ Year 2018 Quarter 4

DIVISION	ILLINOIS														
	CARBONDALE			CENTRALIA			CHAMPAIGN			CHICAGO			DECATUR		
	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL
015433 CONTRACTOR EQUIPMENT		116.5	116.5		116.5	116.5		108.6	108.6		101.9	101.9		108.6	108.6
0241, 31 - 34 SITE & INFRASTRUCTURE, DEMOLITION	104.1	104.0	104.0	104.5	106.0	105.5	111.2	103.9	106.1	108.9	105.3	107.0	99.6	103.5	102.3
0310 Concrete Forming & Accessories	99.6	114.0	112.0	101.3	120.1	117.5	99.6	119.2	116.5	110.4	166.6	158.8	101.7	118.5	116.2
0320 Concrete Reinforcing	94.8	106.7	100.8	94.8	107.4	101.2	101.1	101.0	101.0	103.9	158.2	131.3	92.9	101.2	97.1
0330 Cast-in-Place Concrete	94.6	108.7	100.0	95.1	126.9	107.1	120.9	115.2	118.8	131.9	163.6	144.0	103.2	117.1	108.5
03 CONCRETE	87.4	112.4	98.5	87.9	121.7	103.3	113.9	115.3	114.6	116.6	163.3	138.0	98.7	115.6	106.5
04 MASONRY	78.3	116.3	101.9	78.4	128.2	109.3	138.0	124.5	129.6	103.4	170.4	145.0	74.0	122.8	104.2
05 METALS	113.6	134.9	120.2	113.7	138.7	121.4	104.0	123.2	109.9	104.3	152.4	119.1	118.1	122.7	119.5
06 WOOD, PLASTICS & COMPOSITES	91.1	111.1	102.2	93.6	116.7	106.4	93.2	117.2	106.5	105.1	164.9	138.4	91.9	117.2	105.9
07 THERMAL & MOISTURE PROTECTION	91.3	106.4	97.7	91.4	117.2	102.3	95.2	117.2	104.5	89.6	156.5	118.0	96.7	115.5	104.7
08 OPENINGS	90.0	121.5	97.2	90.0	124.6	97.9	94.6	119.4	100.3	105.1	177.4	121.7	101.2	119.5	105.4
0920 Plaster & Gypsum Board	96.4	111.4	106.4	97.7	117.1	107.9	91.9	117.6	109.2	94.7	166.6	143.0	99.0	117.6	111.5
0950, 0980 Ceilings & Acoustic Treatment	79.2	111.4	100.9	79.2	117.1	104.7	84.3	117.6	106.8	85.3	166.6	140.1	85.1	117.6	107.0
0960 Flooring	103.3	119.6	109.2	106.0	130.6	112.8	85.9	117.3	94.6	89.1	173.1	112.4	94.3	117.8	100.8
0970, 0990 Wall Finishes & Painting/Coating	110.2	109.7	109.9	110.2	116.7	114.0	88.7	117.6	105.5	104.6	165.3	140.0	101.9	116.5	110.4
09 FINISHES	91.7	113.4	103.5	92.1	121.7	108.2	88.5	119.1	105.1	93.1	168.5	134.1	91.7	118.7	106.4
COVERS DIVS. 10 - 14, 25, 28, 41, 43, 44, 46	106.3	111.7	107.5	106.3	110.5	107.3	106.3	113.3	107.2	106.3	132.0	112.0	106.3	109.7	107.1
21, 22, 23 FIRE SUPPRESSION, PLUMBING & HVAC	111.6	111.2	111.4	111.6	101.9	107.3	111.6	108.3	110.2	115.6	141.9	126.9	115.7	98.3	108.2
26, 27, 3370 ELECTRICAL, COMMUNICATIONS & UTIL.	100.9	113.9	107.6	102.4	112.2	107.5	108.4	95.4	101.7	106.9	143.8	126.1	105.1	92.6	98.6
MF2016 WEIGHTED AVERAGE	100.8	114.5	106.8	101.1	116.8	108.0	106.8	112.4	109.2	107.6	151.4	126.8	105.4	109.6	107.2

DIVISION	ILLINOIS														
	EFFINGHAM			GALESBURG			JOLIET			KANKAKEE			LA SALLE		
	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL
015433 CONTRACTOR EQUIPMENT		108.6	108.6		107.7	107.7		98.4	98.4		98.4	98.4		107.7	107.7
0241, 31 - 34 SITE & INFRASTRUCTURE, DEMOLITION	103.8	103.0	103.3	104.1	102.9	103.3	104.5	104.1	104.2	98.0	104.0	102.2	103.5	104.1	103.9
0310 Concrete Forming & Accessories	106.8	120.3	118.4	99.5	122.9	119.7	109.6	164.6	157.0	102.4	152.7	145.8	114.5	131.6	129.3
0320 Concrete Reinforcing	95.9	96.7	96.3	100.5	109.0	104.8	103.9	141.0	122.6	104.7	139.5	122.3	100.7	137.2	119.1
0330 Cast-in-Place Concrete	102.9	116.5	108.0	107.4	115.8	110.6	120.0	152.5	132.3	111.8	143.8	124.0	107.3	129.2	115.6
03 CONCRETE	99.5	115.4	106.8	103.7	118.7	110.5	109.0	155.3	130.2	102.5	146.7	122.7	104.5	132.5	117.3
04 MASONRY	82.6	118.1	104.6	114.5	127.7	122.7	102.9	163.4	140.4	99.1	153.3	132.7	114.5	135.3	127.4
05 METALS	114.8	119.1	116.1	104.0	128.3	111.5	102.1	139.6	113.6	102.1	138.1	113.2	104.1	147.4	117.4
06 WOOD, PLASTICS & COMPOSITES	94.2	119.6	108.3	93.0	111.1	108.6	103.4	165.5	138.0	96.1	151.9	127.1	109.0	129.3	120.3
07 THERMAL & MOISTURE PROTECTION	96.2	114.1	103.8	94.6	115.6	103.5	93.7	151.5	118.1	92.7	146.5	115.5	94.8	128.8	109.2
08 OPENINGS	96.1	120.5	101.7	94.0	122.0	100.4	102.6	170.2	118.1	95.4	164.4	111.3	94.0	140.3	104.6
0920 Plaster & Gypsum Board	99.0	120.1	113.2	91.9	121.6	111.9	87.2	167.3	141.0	85.2	153.3	130.9	99.5	130.1	120.0
0950, 0980 Ceilings & Acoustic Treatment	79.2	120.1	106.8	84.3	121.6	109.5	85.9	167.3	140.8	85.9	153.3	131.3	84.3	130.1	115.1
0960 Flooring	95.3	119.5	102.0	85.7	127.7	97.3	87.1	158.3	106.9	84.4	159.3	105.1	91.9	132.0	103.0
0970, 0990 Wall Finishes & Painting/Coating	101.9	114.3	109.1	88.7	102.9	97.0	96.7	170.4	139.7	96.7	141.9	123.0	88.7	139.1	118.1
09 FINISHES	90.9	120.3	106.9	87.8	122.3	106.6	88.8	165.5	130.5	87.3	153.3	123.2	90.8	131.1	112.7
COVERS DIVS. 10 - 14, 25, 28, 41, 43, 44, 46	106.3	109.3	107.0	106.3	109.1	107.0	106.3	128.0	111.2	106.3	126.0	110.7	106.3	110.3	107.2
21, 22, 23 FIRE SUPPRESSION, PLUMBING & HVAC	111.6	108.9	110.4	111.6	110.1	111.0	115.7	135.5	124.2	111.6	135.0	121.6	111.6	133.8	121.1
26, 27, 3370 ELECTRICAL, COMMUNICATIONS & UTIL.	102.8	113.8	108.5	105.8	91.3	93.3	105.9	140.8	124.0	100.7	144.7	123.6	102.6	144.7	124.5
MF2016 WEIGHTED AVERAGE	103.7	114.1	108.3	103.8	113.9	108.2	105.5	145.6	123.1	102.0	141.5	119.3	103.9	133.3	116.8

DIVISION	ILLINOIS														
	PEORIA			QUINCY			ROCK ISLAND			ROCKFORD			SOUTH SUBURBAN		
	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL	MAT.	INST.	TOTAL
015433 CONTRACTOR EQUIPMENT		107.7	107.7		108.6	108.6		107.7	107.7		107.7	107.7		98.4	98.4
0241, 31 - 34 SITE & INFRASTRUCTURE, DEMOLITION	104.8	103.1	103.6	102.6	103.5	103.3	102.2	101.9	102.0	104.2	104.0	104.1	103.8	104.7	104.4
0310 Concrete Forming & Accessories	102.4	121.8	119.1	104.5	119.3	117.3	101.2	104.1	103.7	107.3	134.2	130.5	108.9	166.5	158.6
0320 Concrete Reinforcing	98.0	108.1	103.1	95.5	88.9	92.2	100.5	102.2	101.4	92.7	138.5	115.8	103.9	153.9	129.1
0330 Cast-in-Place Concrete	104.2	122.6	111.2	103.1	113.0	106.8	105.1	104.3	104.8	106.6	134.3	117.1	120.1	161.9	135.9
03 CONCRETE	100.7	120.4	109.7	99.1	112.4	105.2	101.4	106.0	103.1	101.5	135.5	117.0	109.0	161.7	133.1
04 MASONRY	114.2	126.7	121.9	103.3	116.5	111.5	114.3	104.5	108.3	89.2	148.4	125.9	99.7	165.6	140.5
05 METALS	106.9	128.9	113.7	114.8	116.8	115.4	104.1	123.0	109.9	106.9	146.8	119.2	103.3	146.5	116.6
06 WOOD, PLASTICS & COMPOSITES	101.3	118.8	111.0	91.7	119.6	107.2	94.7	102.4	99.0	101.3	129.7	117.1	102.0	166.0	137.6
07 THERMAL & MOISTURE PROTECTION	95.3	118.1	105.0	96.2	111.8	102.8	94.6	103.4	98.3	97.6	135.5	113.6	93.9	155.1	119.8
08 OPENINGS	99.5	125.7	105.6	96.8	118.0	101.7	94.0	108.7	97.4	99.6	143.7	109.7	102.6	176.7	119.6
0920 Plaster & Gypsum Board	96.4	119.3	111.7	97.7	120.1	112.7	91.9	102.4	99.0	96.4	130.5	119.3	90.5	167.8	142.4
0950, 0980 Ceilings & Acoustic Treatment	89.4	119.3	109.5	79.2	120.1	106.8	84.3	102.4	96.5	89.4	130.5	117.1	85.9	167.8	141.1
0960 Flooring	89.0	126.3	99.4	94.3	120.0	101.5	86.8	100.0	90.4	89.0	132.0	100.9	87.6	168.6	110.1
0970, 0990 Wall Finishes & Painting/Coating	88.7	140.9	119.1	101.9	116.5	110.4	88.7	99.9	95.2	88.7	149.2	124.0	88.7	171.4	141.1
09 FINISHES	90.5	124.8	109.1	90.4	120.0	106.5	88.1	102.6	96.0	90.5	135.1	114.7	89.4	168.3	132.3
COVERS DIVS. 10 - 14, 25, 28, 41, 43, 44, 46	106.3	109.1	107.0	106.3	111.8	107.5	106.3	101.9	105.3	106.3	119.3	109.2	106.3	129.7	111.5
21, 22, 23 FIRE SUPPRESSION, PLUMBING & HVAC	115.7	104.4	110.9	111.6	107.2	109.7	111.6	101.6	107.3	115.8	121.0	118.0	115.6	141.9	125.8
26, 27, 3370 ELECTRICAL, COMMUNICATIONS & UTIL.	107.0	96.6	101.6	100.1	86.8	93.2	97.1	98.4	97.8	107.3	132.7	120.5	105.7	143.1	125.2
MF2016 WEIGHTED AVERAGE	105.8	114.1	109.4	104.4	109.1	106.5	102.6	104.4	103.4	104.8	131.7	116.6	105.6	149.8	124.9

Historical Cost Indexes

Year	National 30 City Average	Connecticut			Delaware	D.C.	Florida						Georgia			
		Norwalk	Stamford	Waterbury	Wilmington	Washington	Fort Lauderdale	Jacksonville	Miami	Orlando	Tallahassee	Tampa	Albany	Atlanta	Columbus	Macon
Jan 2018	215.8	226.5E	233.1E	226.5E	219.9E	201.1E	175.5E	174.4E	175.2E	178.3E	175.9E	178.8E	181.2E	187E	1819.3E	181.2E
2017	209.4	224.2	230.8	224.2	217.7	199.1	173.7	172.7	173.4	176.5	174.1	177.0	179.4	185.1	1801.1	179.4
2016	207.7	232.7	233.3	225.7	215.7	201.3	177.7	176.3	179.1	180.4	173.4	180.6	176.3	185.0	173.6	172.4
2015	204.0	230.2	230.3	223.8	211.7	197.3	176.1	174.2	178.1	178.3	172.5	178.9	168.6	178.3	171.3	170.0
2014	203.0	230.3	230.5	223.2	210.2	197.0	176.5	171.0	178.4	176.5	164.4	183.2	166.6	177.5	170.2	168.2
2013	196.9	223.1	224.2	217.3	203.6	191.7	173.2	168.4	175.8	174.8	160.8	180.2	163.2	173.3	166.7	164.9
2018	194.0	219.8	220.0	213.4	201.0	189.6	170.9	165.8	173.7	172.8	158.5	177.8	158.3	170.7	160.6	159.3
2011	185.7	211.0	211.2	204.6	193.3	182.3	164.4	159.4	167.0	166.1	151.7	171.4	151.8	164.0	154.3	152.7
2010	181.6	198.3	203.8	199.4	187.7	179.0	160.3	155.4	163.3	162.5	148.1	167.5	148.3	160.1	150.9	149.4
2009	182.5	198.8	204.3	198.4	188.9	181.4	160.7	152.0	165.2	163.9	145.1	165.1	152.0	164.5	155.6	153.5
2008	171.0	185.2	189.2	185.3	177.5	170.4	149.6	142.5	152.9	153.0	135.3	155.6	140.4	153.2	143.9	142.5
2007	165.0	178.6	183.3	179.1	173.4	163.1	145.6	139.0	148.9	148.1	131.7	152.0	135.8	148.0	140.1	138.1
2006	156.2	169.7	173.7	169.1	158.3	153.0	136.0	126.5	136.7	134.3	118.4	136.6	123.6	139.9	126.3	124.3
2005	146.7	160.9	164.1	160.5	149.6	142.7	126.0	119.2	127.1	126.0	110.7	127.7	115.7	131.7	118.9	116.1
2004	132.8	143.6	146.5	143.2	136.1	126.8	114.8	107.8	115.6	113.2	100.6	116.6	102.8	119.6	102.0	105.0
2003	129.7	140.6	145.1	140.8	133.0	124.6	109.0	105.6	110.5	107.8	98.0	103.5	100.5	115.8	99.1	102.7
2002	126.7	133.5	136.2	133.9	129.4	120.3	107.1	104.6	107.4	106.7	97.3	102.8	99.7	113.0	98.3	101.9
2001	122.2	128.2	131.5	128.8	124.8	115.9	104.3	100.8	104.6	103.8	94.8	100.3	96.4	109.1	95.5	99.0
2000	118.9	121.5	126.4	123.2	117.4	113.8	102.4	99.0	101.8	101.2	93.6	98.9	94.9	106.1	94.1	97.0
1999	116.6	120.0	122.0	121.2	116.6	111.5	101.4	98.0	100.8	100.1	92.5	97.9	93.5	102.9	92.8	95.8
1998	113.6	118.8	120.8	120.1	112.3	109.6	99.4	96.2	99.0	98.4	90.9	96.3	91.4	100.8	90.4	93.3
1995	105.6	115.5	117.9	117.3	106.1	102.3	94.0	90.9	93.7	93.5	86.5	92.2	85.0	92.0	82.6	86.8
1990	93.2	96.3	98.9	95.1	92.5	90.4	83.9	81.1	84.0	82.9	78.4	85.0	75.0	80.4	74.0	76.9
1985	81.8	85.3	86.8	85.6	81.1	78.8	76.7	73.4	78.3	73.9	70.6	77.3	66.9	70.3	66.1	68.1
1980	60.7	60.7	60.9	62.3	58.5	59.6	55.3	55.8	56.5	56.7	53.5	57.2	51.7	54.0	51.1	51.3
1975	43.7	44.7	45.0	46.3	42.9	43.7	42.1	40.3	43.2	41.5	38.1	41.3	37.5	38.4	36.2	36.5
1970	27.8	28.1	28.2	28.9	27.0	26.3	25.7	22.8	27.0	26.2	24.5	24.2	23.8	25.2	22.8	23.4
1965	21.5	21.6	21.7	22.2	20.9	21.8	19.8	17.4	19.3	20.2	18.9	18.6	18.3	19.8	17.6	18.0
1960	19.5	19.7	19.7	20.2	18.9	19.4	18.0	15.8	17.6	18.3	17.2	16.9	16.7	17.1	16.0	16.4
1955	16.3	16.5	16.5	17.0	15.9	16.3	15.1	13.2	14.7	15.4	14.4	14.1	14.0	14.4	13.4	13.7
1950	13.5	13.6	13.7	14.0	13.1	13.4	12.5	11.0	12.2	12.7	11.9	11.7	11.5	11.9	11.0	11.3

	National	Georgia	Hawaii	Idaho		Illinois						Indiana				
Year	30 City Average	Savan- nah	Hono- lulu	Boise	Poca- tello	Chicago	Decatur	Joliet	Peoria	Rock- ford	Spring- field	Ander- son	Evans- ville	Fort Wayne	Gary	Indian- apolis
Jan 2018	215.8	182.3E	252.2E	194.5E	195.4E	254.2E	217.5E	250.4E	222.6E	235.5E	218.2E	191.7E	194.2E	187.1E	219E	193.7E
2017	209.4	180.5	249.7	192.5	193.4	251.7	215.3	247.9	220.4	233.1	216.0	189.8	192.3	185.2	216.8	191.8
2016	207.7	175.1	251.7	191.1	190.2	244.9	212.9	244.3	217.5	229.6	215.1	190.5	192.3	184.4	216.8	192.5
2015	204.0	170.5	250.5	185.4	185.3	238.9	209.0	238.7	213.7	225.3	210.5	186.4	190.1	183.0	212.4	189.6
2014	203.0	167.2	239.7	184.1	184.4	238.1	206.0	236.8	212.5	224.4	208.2	184.5	188.1	180.8	210.1	188.4
2013	196.9	163.5	231.5	179.6	179.9	231.1	200.8	228.7	207.2	217.2	203.2	177.8	182.5	175.9	203.6	182.7
2012	194.0	158.9	227.9	170.4	171.5	226.2	195.7	222.7	199.7	211.8	197.2	175.2	177.8	171.8	197.9	180.6
2011	185.7	151.7	219.0	162.8	163.6	217.6	187.9	216.8	193.4	205.8	189.4	168.4	169.7	165.0	191.0	173.0
2010	181.6	147.9	214.6	161.7	162.4	210.6	181.2	208.3	186.2	197.6	182.2	162.8	165.9	160.0	183.7	168.1
2009	182.5	152.8	218.6	162.6	163.4	209.0	182.2	205.9	186.2	196.5	184.0	164.9	166.9	163.0	185.2	170.3
2008	171.0	141.1	205.5	153.2	152.8	195.7	168.7	185.5	172.2	180.2	168.5	152.4	155.8	151.0	169.0	159.2
2007	165.0	136.9	200.4	148.0	148.1	186.5	160.5	177.7	166.0	175.0	159.2	149.0	152.6	147.7	165.4	154.1
2006	156.2	124.0	191.9	141.6	141.2	177.8	153.8	168.7	155.2	163.3	152.8	139.8	144.4	139.1	154.5	144.6
2005	146.7	116.9	181.2	133.8	132.5	164.4	145.0	158.3	146.5	151.2	145.4	131.4	136.2	131.0	146.4	137.4
2004	132.8	105.6	161.2	122.0	120.5	149.3	129.3	145.1	133.9	138.1	130.3	120.9	123.5	120.1	132.2	125.0
2003	129.7	103.0	159.4	120.2	118.7	146.2	127.4	143.5	132.4	137.3	128.4	119.7	121.4	118.2	131.4	122.5
2002	126.7	102.0	157.2	118.3	117.1	141.2	123.8	138.5	129.6	132.9	125.3	117.5	119.0	116.4	129.1	120.5
2001	122.2	99.0	150.0	114.3	113.4	135.8	120.1	133.7	124.3	127.8	119.8	113.4	115.6	112.1	123.4	116.4
2000	118.9	97.5	144.8	112.9	112.1	131.2	115.1	124.6	119.0	122.2	116.2	109.8	111.5	108.4	117.8	113.2
1999	116.6	96.0	143.0	110.2	109.6	129.6	113.0	122.6	116.4	120.7	113.8	107.1	109.3	106.8	112.8	110.6
1998	113.6	93.7	140.4	107.4	107.0	125.2	110.1	119.8	113.8	115.5	111.1	105.0	107.2	104.5	111.1	108.0
1995	105.6	87.4	130.3	99.5	98.2	114.2	98.5	110.5	102.3	103.6	98.1	96.4	97.2	95.0	100.7	100.1
1990	93.2	77.9	104.7	88.2	88.1	98.4	90.9	98.4	93.7	94.0	90.1	84.6	89.3	83.4	88.4	87.1
1985	81.8	68.9	94.7	78.0	78.0	82.4	81.9	83.4	83.7	83.0	81.5	75.2	79.8	75.0	77.8	77.1
1980	60.7	52.2	68.9	60.3	59.5	62.8	62.3	63.4	64.5	61.6	61.1	56.5	59.0	56.7	59.8	57.9
1975	43.7	36.9	44.6	40.8	40.5	45.7	43.1	44.5	44.7	42.7	42.4	39.5	41.7	39.9	41.9	40.6
1970	27.8	21.0	30.4	26.7	26.6	29.1	28.0	28.6	29.0	27.5	27.6	25.4	26.4	25.5	27.1	26.2
1965	21.5	16.4	21.8	20.6	20.5	22.7	21.5	22.1	22.4	21.2	21.3	19.5	20.4	19.7	20.8	20.7
1960	19.5	14.9	19.8	18.7	18.6	20.2	19.6	20.0	20.3	19.2	19.3	17.7	18.7	17.9	18.9	18.4
1955	16.3	12.5	16.6	15.7	15.6	16.9	16.4	16.8	17.0	16.1	16.2	14.9	15.7	15.0	15.9	15.5
1950	13.5	10.3	13.7	13.0	12.9	14.0	13.6	13.9	14.0	13.3	13.4	12.3	12.9	12.4	13.1	12.8