

Concrete Costs Relative to Other Materials: Ten Year History



1852	
110	
75262	63
	455
	3494
	138
	95153
62	
429	
3054	
135	
293	

Philip K
Sr. Vice President, Local P
National Ready Mixed Concrete Assoc



Antitrust Law: Do you
know about it?

Yes

No





Sources of Information:

U.S. Bureau of Labor Statistics (BLS)

Engineering News Record (ENR)

NRMCA Annual Performance Benchmarking Survey

– Formerly Industry Data Survey

EXTRA! EXTRA!

READ ALL ABOUT IT!

Five Main Factors Influencing Construction Material Costs!



month as workers struggled to keep pace with an economy that faces inflationary pressures.

How ever, with demand to slow in the developed nations of the world...



804 E

ONE HUNDRED DOLLARS

THIS NOTE FOR ALL DEBTS

JULY 4, 1776

Inflation

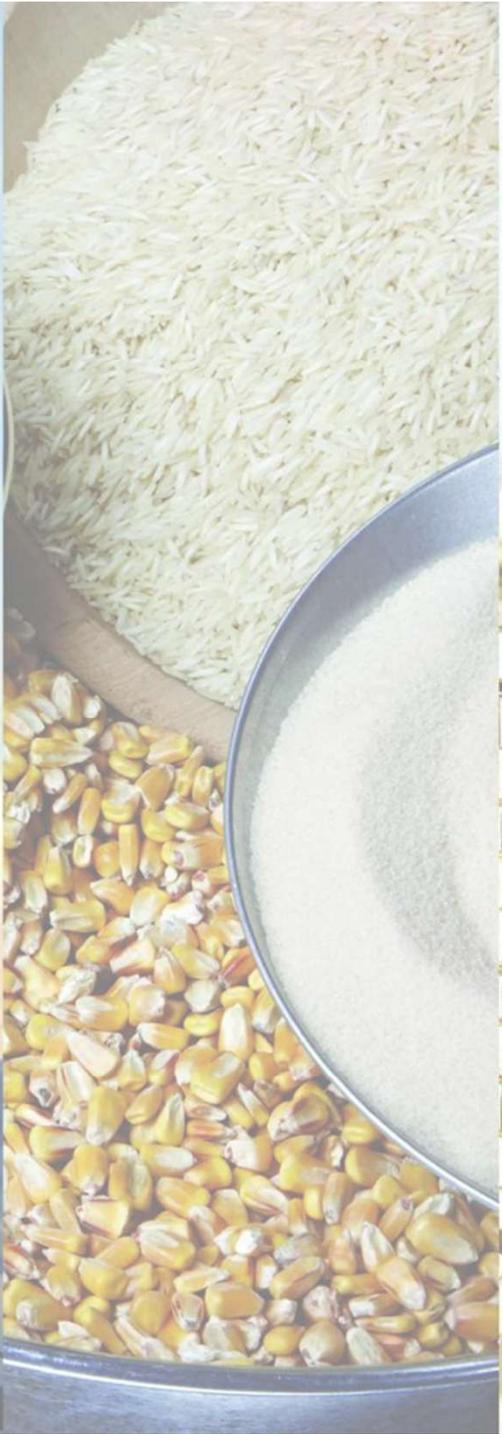
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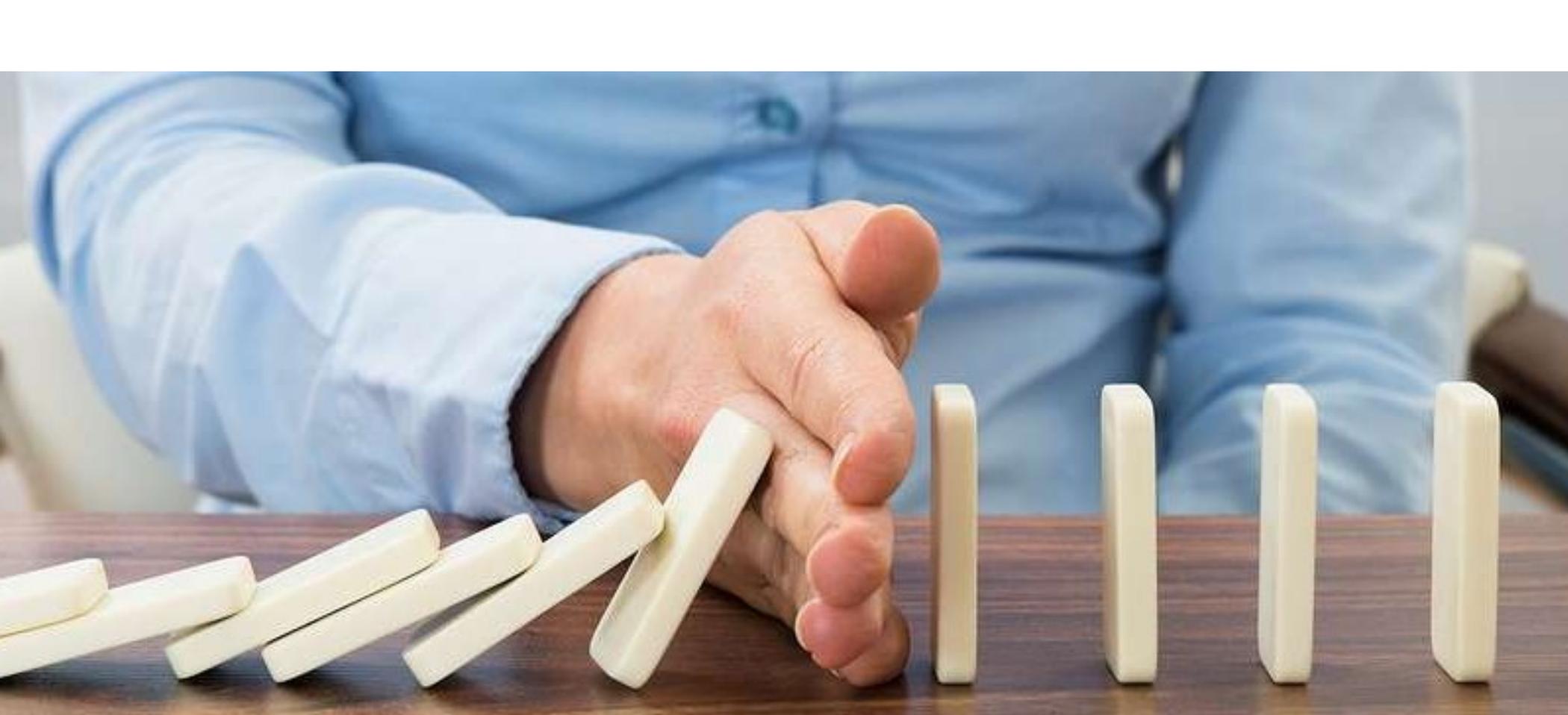
Backlog





Commodity Pricing

- Price of Oil
- Tariffs

A person wearing a light blue button-down shirt is shown from the chest down, sitting at a dark wooden table. Their hands are positioned to balance a row of white dominoes. The dominoes on the left are falling in a chain, while the ones on the right are still standing upright. This visual metaphor represents a chain reaction or a process that is being disrupted.

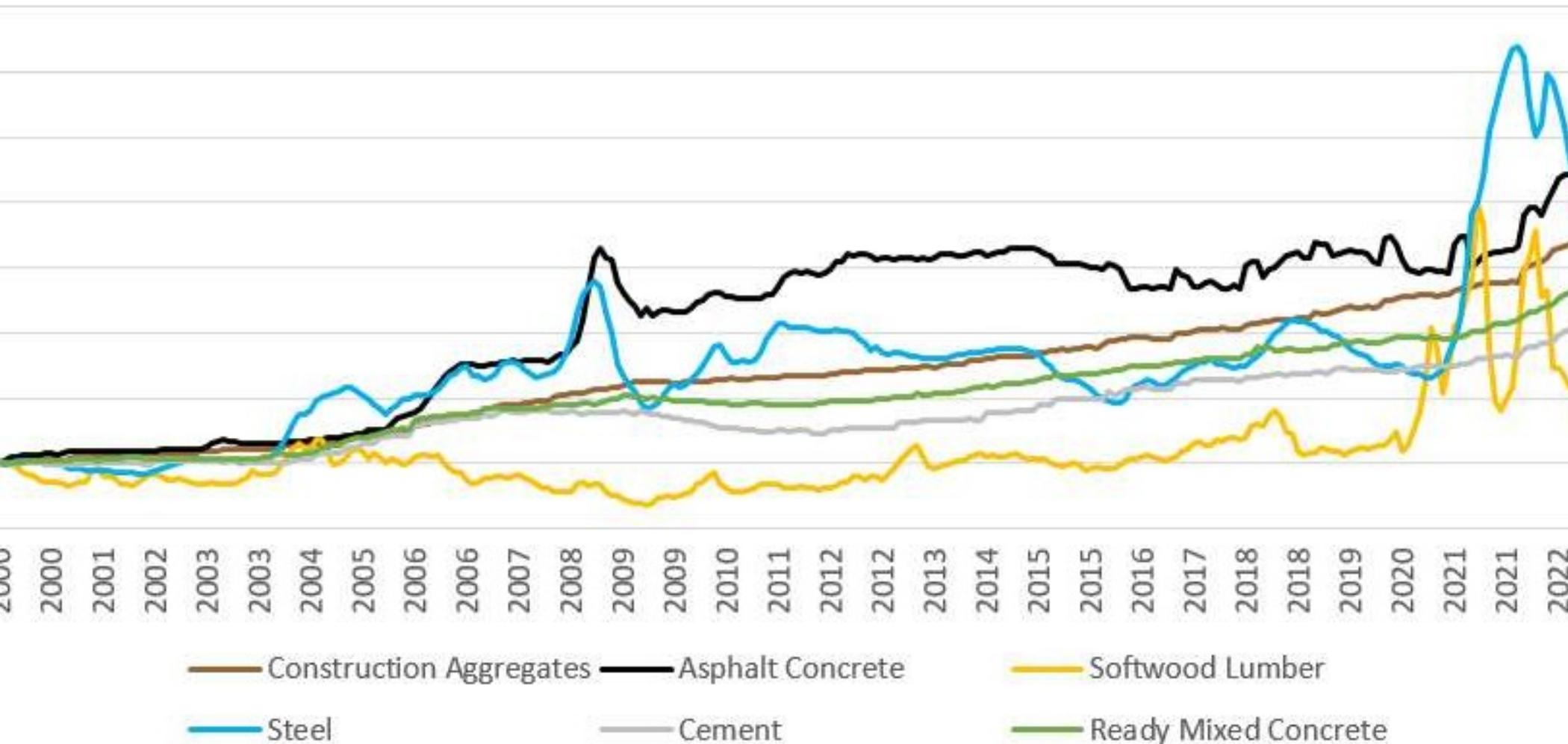
Local Market Disruption

- Manufacturing Issues
- Logistics
- COVID 19

Price Index: Construction Materials

Base Year 2000 Index = 100

<https://data.bls.gov/cgi-bin/srgate>



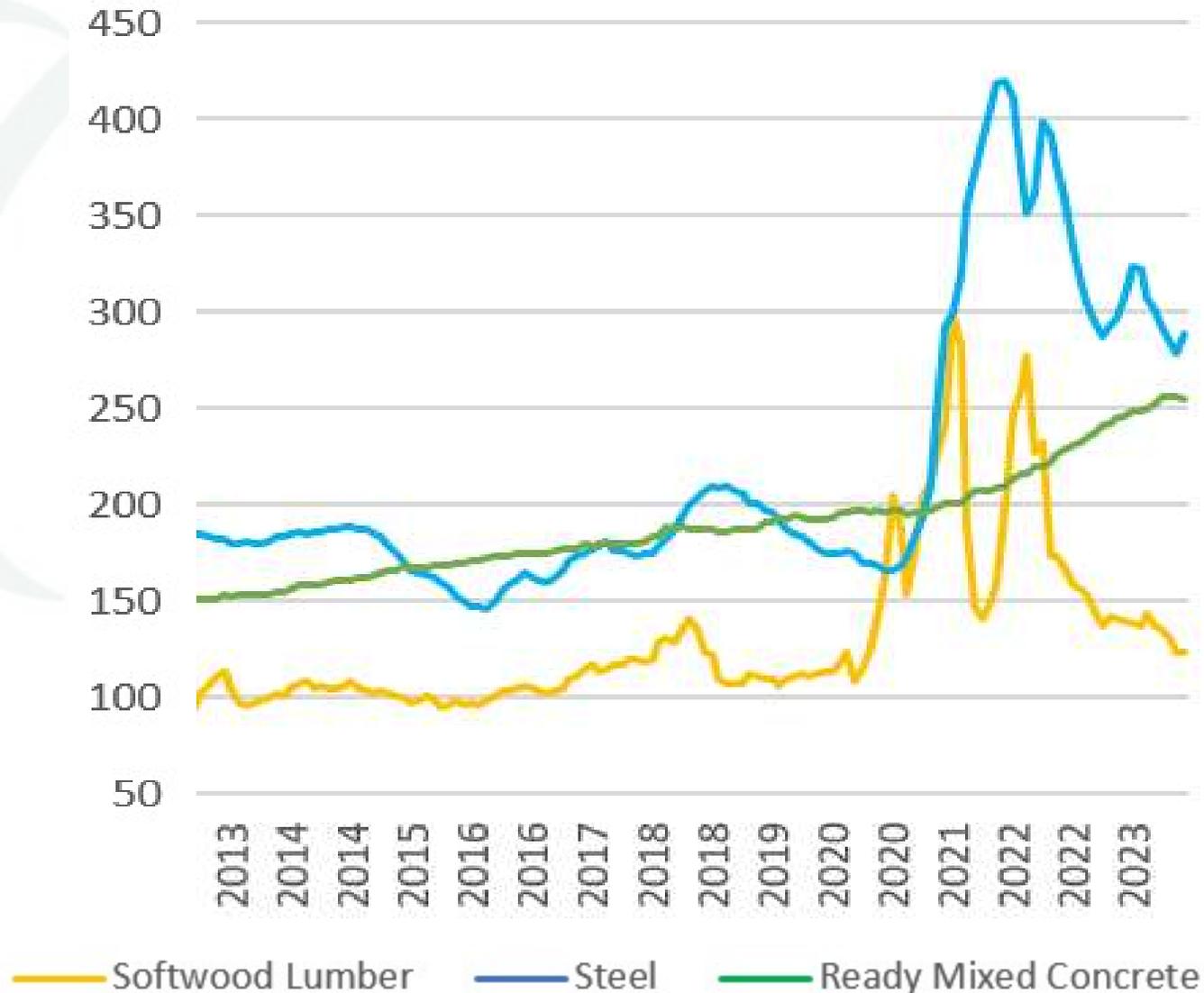
Price Index: Structural Materials

Base Year 2000 Index = 100

<https://data.bls.gov/cgi-bin/srgate>



Price Index: Structural Materials



lumber, Plywood & Plyform

Average	January 2013			
	UNIT	PRICE	% CHG. MO.	% CHG. YEAR
	mbf	422.12	+0.1	+5.5
	mbf	445.51	-0.1	+2.0
	mbf	433.88	-0.3	+3.3
	mbf	475.57	-0.4	+1.2
	mbf	509.90	+0.4	+2.1
	mbf	553.23	-0.9	+2.7
	mbf	780.66	+0.2	-1.0
	mbf	1152.49	-0.2	+1.1
THICK	msf	565.05	-0.9	-1.7
THICK	msf	976.80	-0.3	+0.9
UNDERLAYMENT	msf	334.72	0.0	-2.9
REGULAR	msf	223.73	-0.6	-3.0
	msf	267.15	-0.3	+1.8
	msf	282.45	-0.3	+0.9
	msf	294.75	-0.3	+0.9
ION: UNFACED	sf	6.98	-0.1	+0.5
N: UNFACED	sf	5.78	+0.1	+0.3
FIBERGLASS	sf	6.79	0.0	+0.4

January 2019

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
2" X 4" S4S				
Pine	MBF	623.13	-2.9	-0.4
Fir	MBF	561.12	+0.1	+2.5
Common	MBF	560.26	-2.1	-2.2
2" X 6" S4S				
Common	MBF	604.17	-2.6	-5.1
2" X 8" S4S				
Common	MBF	658.12	-4.2	+0.7
2" X 10" S4S				
Common	MBF	678.12	-4.0	+6.2
PLYWOOD				
5/8" Thick	MSF	610.09	-3.0	-0.7
PLYFORM				
3/4" Thick	MSF	1041.02	+0.2	+1.0
PARTICLEBOARD: UNDERLAYMENT				
5/8" Thick	MSF	457.94	-3.9	-8.2
GYPSON BOARD: REGULAR				
1/2"	MSF	276.88	+0.6	+0.6
ROOFING INSULATION				
Unfaced	SF	8.35	+0.4	-8.2
WALL INSULATION				
Unfaced	SF	6.14	+0.2	+0.8

SOURCE: ENR

January 2024

ITEM	UNIT	\$PRICE	%MO
2" X 4" S4S			
Pine	MBF	1095.19	-4
Fir	MBF	948.70	-4
Common	MBF	893.55	-0
2" X 6" S4S			
Common	MBF	804.47	-4
2" X 8" S4S			
Common	MBF	850.20	-2
2" X 10" S4S			
Common	MBF	971.49	-4
PLYWOOD			
5/8" Thick	MSF	1137.69	+3
PLYFORM			
3/4" Thick	MSF	1866.37	+4
PARTICLEBOARD: UNDERLAYMENT			
5/8" Thick	MSF	981.42	-1
GYPSON BOARD: REGULAR			
1/2"	MSF	441.88	-1
ROOFING INSULATION			
Unfaced	SF	14.86	+3
WALL INSULATION			
Unfaced	SF	9.11	-3

Structural Steel, Rebar, Building Sheet, Piling

Average (January 2013)

	UNIT	PRICE	% CHG. MO.	% CHG. YEAR
STRUCTURAL SHAPES: AVERAGE				
Average	cwt	49.52	-0.2	+0.9
Channel beams, 6" DEEP, 8.2 LB/LF	cwt	49.46	-0.2	+0.3
6" DEEP, 12.5 LB/LF	cwt	51.97	-0.2	+1.4
I-beams, 8" DEEP, 31 LB/LF	cwt	47.14	-0.2	+1.1
REINFORCING BARS:				
Grade 60, No. 4	cwt	44.99	-0.4	-1.5
Grade 60, No. 6	cwt	68.64	-1.3	+1.6
CARBON-STEEL PLATE:				
Grade 60, 1/2" x 10'	cwt	45.89	-0.4	-1.0
METAL LATH:				
Grade 60, 3.4 LB/SY, GALVANIZED	cwt	210.91	-0.2	-0.6
Grade 60, 3.4 LB/SY	cwt	215.15	-0.2	-1.5
STEEL SHEET AND PLATE:				
Grade 3003H14, 36" x 96"	cwt	193.85	-0.3	-1.4
STAINLESS-STEEL SHEET:				
14 gauge	cwt	162.24	-0.4	-3.0
16 gauge	cwt	166.39	-0.4	-3.3
20 gauge	cwt	170.12	-0.4	-2.5
STAINLESS-STEEL PLATE:				
Grade 304, 1/4" x 240"	cwt	197.86	-0.7	-1.7
Grade 304, 1/4" x 140"	cwt	245.27	-0.4	-0.6
STEEL PILING (H-PILE)				
HP10 x 42	cwt	33.13	0.0	+2.8

(January 2019)

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
STANDARD STRUCTURAL SHAPES				
Average	CWT	53.86	0.0	+3.8
Channel beams, 6" Deep, 8.2 LB/LF	CWT	54.15	-0.2	+3.7
I-beams, 6" Deep, 12.5 LB/LF	CWT	54.97	+0.1	+3.4
Wide-flange, 8" Deep, 31 LB/LF	CWT	52.47	-0.1	+4.3
REINFORCING BARS				
Grade 60, No. 4	CWT	55.31	+0.1	+6.9
HOT-ROLLED CARBON-STEEL PLATE				
12 gauge, 48" x 10'	CWT	48.64	-0.7	+2.7
ALUMINUM SHEET				
3003H14, 36" x 96"	CWT	220.27	+0.7	+7.0
STAINLESS-STEEL SHEET				
14 gauge	CWT	175.48	-0.1	+1.7
16 gauge	CWT	179.76	-0.2	+1.7
20 gauge	CWT	180.08	-0.2	+1.7
STAINLESS-STEEL PLATE				
304, 1/4", 72" x 240"	CWT	201.93	-0.1	+2.4
316, 1/4", 96" x 140"	CWT	269.43	-0.2	+1.0
STEEL PILING (H-PILE)				
HP10 x 42	CWT	32.89	0.0	-0.2

SOURCE: ENR

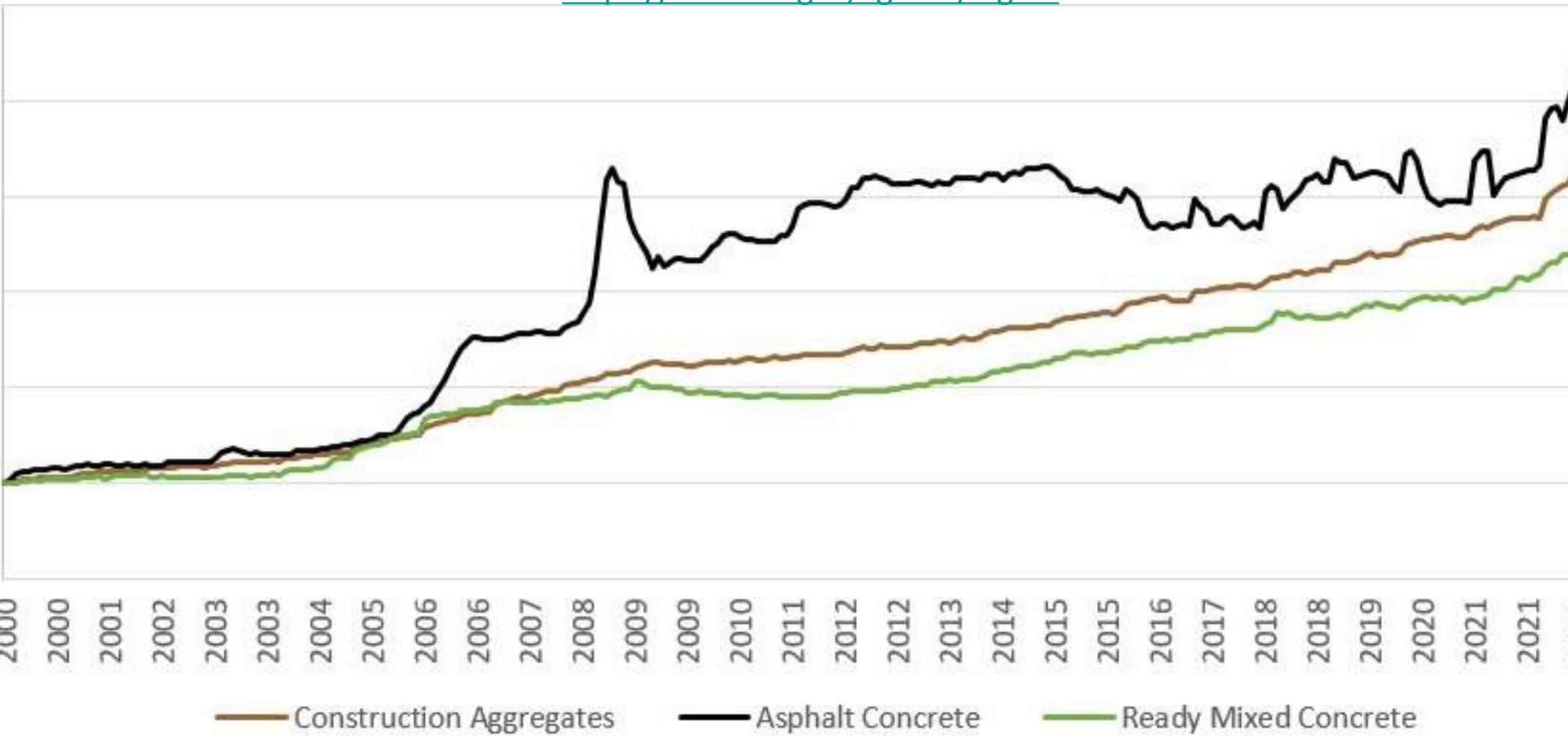
(January 2024)

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
STANDARD STRUCTURAL SHAPES				
Average	CWT	102.74	+2.2	
Channel beams, 6" Deep, 8.2 LB/LF	CWT	89.28	+0.1	
I-beams, 6" Deep, 12.5 LB/LF	CWT	116.45	+4.2	
Wide-flange, 8" Deep, 31 LB/LF	CWT	102.51	+2.0	
REINFORCING BARS				
Grade 60, No. 4	CWT	80.48	+0.3	
HOT-ROLLED CARBON-STEEL PLATE				
12 gauge, 48" x 10'	CWT	95.75	+2.0	
ALUMINUM SHEET				
3003H14, 36" x 96"	CWT	363.11	+6.7	
STAINLESS-STEEL SHEET				
14 gauge	CWT	295.92	+5.4	
16 gauge	CWT	295.99	+0.8	
20 gauge	CWT	315.69	+3.2	
STAINLESS-STEEL PLATE				
304, 1/4", 72" x 240"	CWT	349.48	+0.1	
316, 1/4", 96" x 140"	CWT	445.98	+0.7	
STEEL PILING (H-PILE)				
HP10 x 42	CWT	54.03	+6.7	

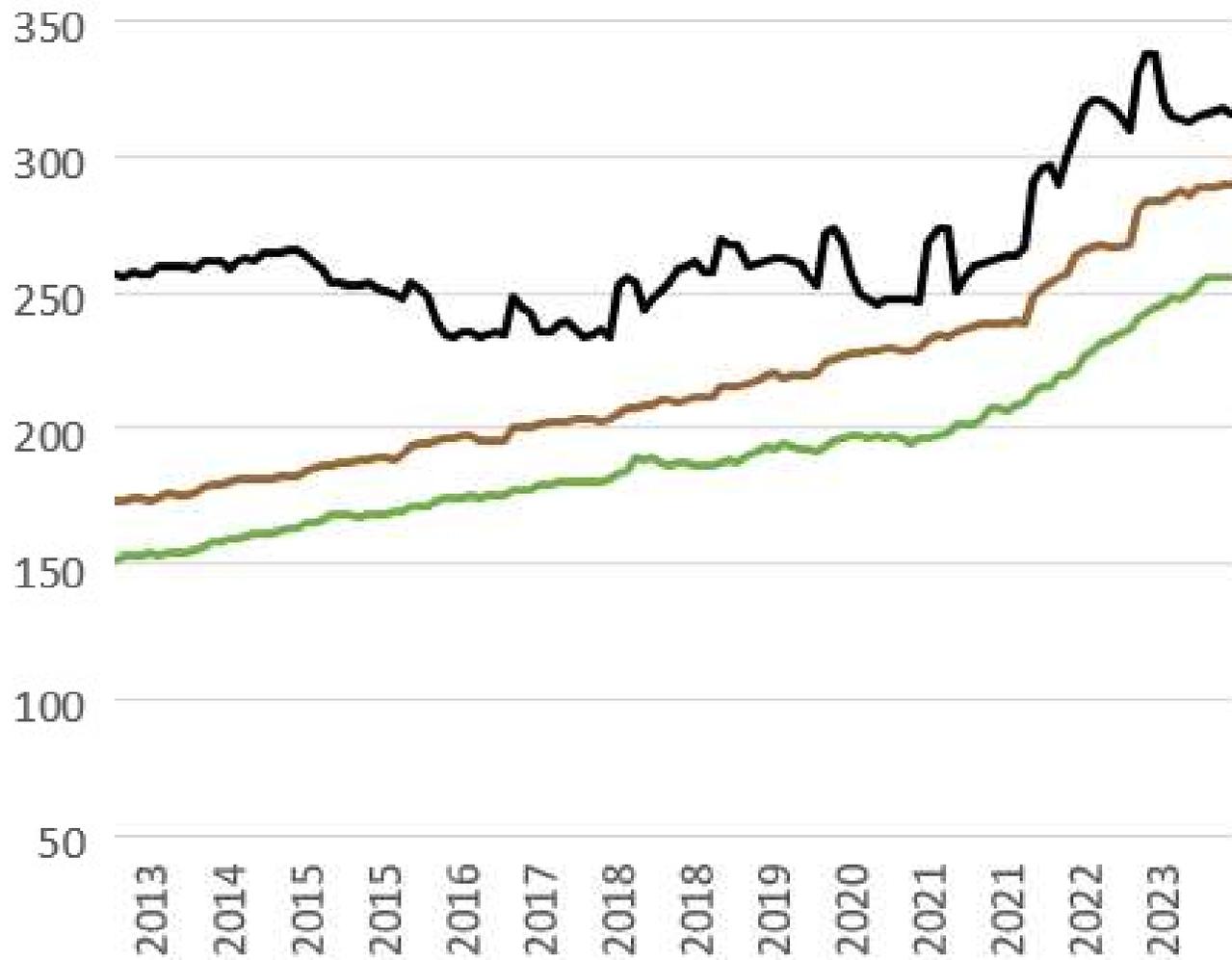
Price Index: Paving Materials

Base Year 2000 Index = 100

<https://data.bls.gov/cgi-bin/srgate>



Price Index: Paving Materials



— Construction Aggregates

— Asphalt Concrete

— Ready Mixed Concrete

Asphalt, Cement, Aggregate, Concrete & Block

Average		January 2013		
	UNIT	PRICE	% CHG. MO.	% CHG. YEAR
ASPHALT PAVING				
PG 58	ton	392.78	-0.2	+3.2
Cutback, MC800	ton	373.08	-0.2	+1.0
Emulsion, RAPID SET	ton	355.51	-0.1	+1.3
Emulsion, SLOW SET	ton	360.31	-0.1	+1.3
PORTLAND CEMENT				
Type one	ton	110.49	-0.3	+1.1
MASONRY CEMENT				
70-lb bag	bag	8.12	-0.4	-1.1
CRUSHED STONE				
Base course	ton	10.52	+0.4	-1.9
Concrete course	ton	10.87	-1.1	+0.1
Asphalt course	ton	11.31	+1.8	+1.4
SAND				
Concrete	ton	9.39	+1.9	+1.7
Masonry	ton	10.57	+2.3	+1.7
READY-MIX CONCRETE				
3,000 psi	cy	102.53	-0.1	+0.4
4,000 psi	cy	107.94	-0.2	0.0
5,000 psi	cy	115.67	-0.2	-0.2
MODULAR BRICK				
8" x 8" x 16"	M	353.81	-0.1	+0.3
CONCRETE BLOCK				
Normal weight: 8" x 8" x 16"	C	137.96	-0.3	+0.6
Lightweight: 8" x 8" x 16"	C	158.57	-1.8	+1.2
12" x 8" x 16"	C	175.10	-0.2	+0.7
12" x 8" x 16"	ton	234.42	-1.2	+3.3

January 2019

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
ASPHALT PAVING				
PG 58	TON	436.51	-0.7	+15.3
Cutback, MC800	TON	390.89	+0.1	+1.0
Emulsion, RAPID SET	TON	360.37	0.0	+0.4
Emulsion, SLOW SET	TON	370.83	0.0	+0.5
PORTLAND CEMENT				
Type one	TON	116.87	+1.9	+2.5
MASONRY CEMENT				
70-lb bag	TON	9.97	+0.7	+6.1
CRUSHED STONE				
Base course	TON	10.27	0.0	+2.5
Concrete course	TON	10.86	0.0	+0.2
Asphalt course	TON	11.24	0.0	+0.9
SAND				
Concrete	TON	9.26	0.0	+1.7
Masonry	TON	11.18	0.0	+1.4
READY-MIX CONCRETE				
3,000 psi	CY	115.30	0.0	+0.7
4,000 psi	CY	136.21	-0.5	+2.3
5,000 psi	CY	170.90	+4.0	+10.0
CONCRETE BLOCK				
Normal weight: 8" x 8" x 16"	C	144.20	+0.1	+7.1
Lightweight: 8" x 8" x 16"	C	169.72	+0.1	+1.1
12" x 8" x 16"	C	179.54	-0.2	+0.3

January 2024

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
ASPHALT PAVING				
PG 58	TON	611.23		
Cutback, MC800	TON	466.78		
Emulsion, RAPID SET	TON	400.43		
Emulsion, SLOW SET	TON	435.02		
PORTLAND CEMENT				
Type one	TON	227.60		
MASONRY CEMENT				
70-lb bag	TON	14.58		
CRUSHED STONE				
Base course	TON	25.12		
Concrete course	TON	29.57		
Asphalt course	TON	28.46		
SAND				
Concrete	TON	24.86		
Masonry	TON	25.95		
READY-MIX CONCRETE				
3,000 psi	CY	169.46		
4,000 psi	CY	180.35		
5,000 psi	CY	194.21		
CONCRETE BLOCK				
Normal weight: 8" x 8" x 16"	C	233.26		
Lightweight: 8" x 8" x 16"	C	204.07		
12" x 8" x 16"	C	348.81		

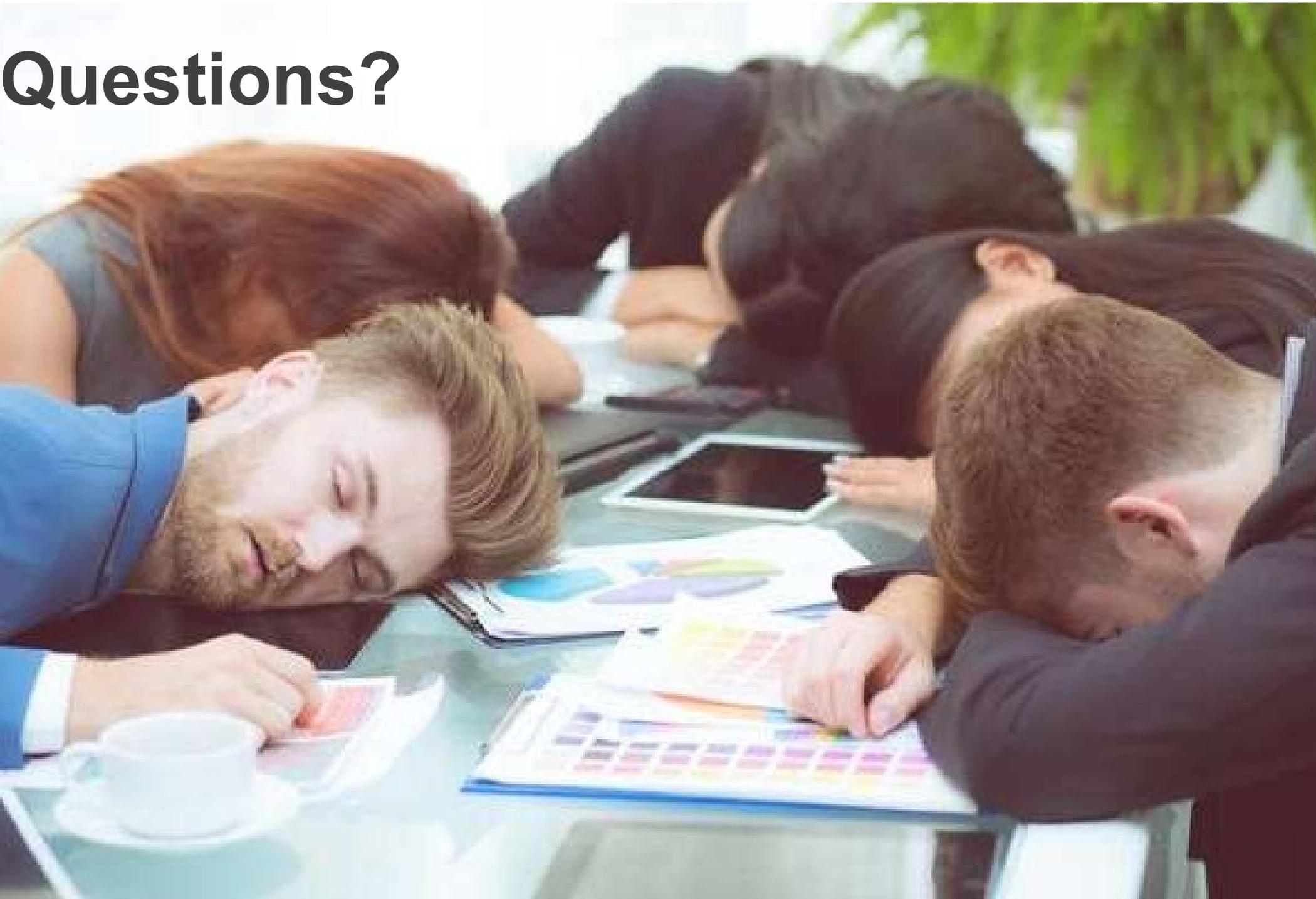
Asphalt, Cement, Aggregate, Concrete & Block – Jan '24

ITEM	UNT	ATLANTA	BALTIMORE	BIRMINGHAM	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS	DENVER	DETROIT
ASPHALT PAVING											
PG 58	TON	550	615	725	635.70	770	591	795	645	603.12	601
CUTBACK, MC800	TON	450	—	750	422.61	415.46	—	378	519	468.89	388
EMULSION, RAPID SET	TON	373.90	—	602.5	402.00	382.77	—	369	-410	357	355.5
EMULSION, SLOW SET	TON	409.15	—	380.97	419.32	475.48	—	388	-395	824	411
PORTLAND CEMENT											
TYPE ONE	TON	176.50	185.5	157.21	181.15	363.4	382.34	194.46	+290.41	189.31	192
MASONRY CEMENT											
70-LB BAG	TON	14.76	13.27	14.97	-15	13.65	-11.54	11.54	13.5	21.25	15
CRUSHED STONE											
BASE COURSE	TON	45	30	+25	19.5	16.5	14.5	14.5	17	15.80	37
CONCRETE COURSE	TON	+57	32	+27.66	36.25	38.6	15.5	15.5	17.5	17.74	27
ASPHALT COURSE	TON	+50	32	+25	19.5	43	14.5	14.5	-23	19	28
SAND											
CONCRETE	TON	+30.25	42.5	20.55	24	29.28	15	15	18	17.25	16.2
MASONRY	TON	-34	42.5	21.25	37.99	32.5	12.5	12.5	17.1	19.17	17
READY-MIX CONCRETE											
3,000 PSI	CY	210	142.25	131	177	200	157	144	162	165	165.46
4,000 PSI	CY	225	150	139	181	210	160	150	183	165	170.58
5,000 PSI	CY	235	155	147	218.19	172	168	155	203	160	198.57
CONCRETE BLOCK											
NORMAL WEIGHT: 8" x 8" x 16"	C	225	259	228	284	245	157	151	300	350	214
LIGHTWEIGHT: 8" x 8" x 16"	C	205	160	186	127	275	140	139	285	300	253
12" x 8" x 16"	C	350	340	+419	415	325	221	212	+450	550	370

Asphalt, Cement, Aggregate, Concrete & Block – Jan '24

ITEM	UNIT	BALTIMORE	KANSAS CITY	LOS ANGELES	MINNEAPOLIS	NEW ORLEANS	NEW YORK	PHILADELPHIA	PITTSBURGH	ST LOUIS	SAN FRANCISCO	SEATTLE
ASPHALT PAVING												
PG 58	TON	615	598.75	460	605	575	569.58	536.20	594	594	--	550
CUTBACK, MC800	TON	—	342	470	378	445	514.06	-543.55	377.04	388.5	700	452
EMULSION, RAPID SET	TON	—	322	465	328	415	458.53	-387.39	314.2	378	475	412
EMULSION, SLOW SET	TON	—	338	465	312.7	445	447.27	-388.24	314.2	404	575	438
PORTLAND CEMENT												
TYPE ONE	TON	185.5	190.21	297.45	+388.33	155	251.6	-197.66	170.2	239.77	150	135.55
MASONRY CEMENT												
90-LB BAG	TON	13.27	11.65	6.29	+18.33	-16.99	178	-17.09	13.12	16.97	12.97	15.12
CRUSHED STONE												
BASE COURSE	TON	30	+32	39.2	9.06	16	17.14	18.26	38	-34.07	44	19.77
CONCRETE COURSE	TON	32	+32	48	24	15	35.73	18.57	31.12	22.97	43	36.3
ASPHALT COURSE	TON	32	-10	48	24	20	24.93	-21.65	31.12	41.71	43	36.3
READY-MIX CONCRETE												
CONCRETE	TON	42.5	-26.5	44	28.95	20	25.85	-26.15	16.35	16.4	45	20
MASONRY	TON	42.5	-26.5	48.80	28.95	31.67	23.2	19.2	16.2	15.9	42	20
READY-MIX CONCRETE												
4,000 PSI	CY	142.25	+206	197.10	215.82	134	144.67	147.89	140	177.04	190	170
5,000 PSI	CY	150	+209	202.58	+263.34	138	164.89	156.92	146	197.85	197	188
6,000 PSI	CY	155	+212	216.86	+345.84	144	186.57	171.64	155	202.59	203	222
CONCRETE BLOCK												
NORMAL WEIGHT: 8" x 8" x 16"	C	259	+209	187	300	196	257	278	182.65	173.87	247	196
LIGHTWEIGHT: 8" x 8" x 16"	C	160	-191	138	-157	225	267	248	162.33	211.05	268	178
12" x 8" x 16"	C	340	+386	365	400	289	349	338	238.6	330.65	400	228

Questions?





PAVE  AHEAD

DURABLE. SUSTAINABLE. **CONCRETE.**

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215-779-7375

