

Comparison of AEC Watson Road Proposal to Previous Bid Pricing:

			AEC Watson Road Proposal (June 2014)		
Bid Item No.	Description	Bid Quantity	U/M	Unit Price	Contract Value
WATSON ROAD:					
1	Clearing and Grubbing	1	LS	\$ 29,500.00	\$ 29,500.00
2	Removing Small Trees (9" to 24" diameter)	55	EA	\$ 520.00	\$ 28,600.00
3	Removing Large Trees (over 24" diameter)	6	EA	\$ 1,350.00	\$ 8,100.00
4	Site Work	1	LS	\$ 199,000.00	\$ 199,000.00
4A	Rock Excavation	850	CY	\$ 48.00	\$ 40,800.00
5	Test Pits to Locate Services	2	EA	\$ 450.00	\$ 900.00
6	Roadway Fine Grading - Subgrade	16,600	U/SY	\$ 0.90	\$ 14,940.00
7	Bank Run Gravel (F)	6,600	CY	\$ 19.25	\$ 127,050.00
8	Crushed Gravel (F)	7,200	CY	\$ 24.75	\$ 178,200.00
9	Bituminous Concrete Drives	1,350	SY	\$ 30.50	\$ 41,175.00
10	Hot Bituminous Pavement, Machine Method	5,000	TON	\$ 73.00	\$ 365,000.00
11	Concrete Headwall and Outfall Work	16	EA	\$ 1,975.00	\$ 31,600.00
12	Stone Fill, Class B	40	CY	\$ 55.00	\$ 2,200.00
13	Stone Fill, Class C	280	CY	\$ 48.00	\$ 13,440.00
14	Geotextile - Class I (Drainage-Riprap)	1,250	SY	\$ 2.45	\$ 3,062.50
15	Geotextile - Class I (Roadway Stabilization)	2,000	SY	\$ 2.15	\$ 4,300.00
16	12-Inch Reinforced Concrete Drainage Pipe - 2000D	110	LF	\$ 52.50	\$ 5,775.00
17	15-Inch Reinforced Concrete Drainage Pipe - 2000D	300	LF	\$ 60.00	\$ 18,000.00
18	18-Inch Reinforced Concrete Drainage Pipe - 2000D	55	LF	\$ 117.00	\$ 6,435.00
19	24-Inch Reinforced Concrete Drainage Pipe - 2000D	65	LF	\$ 96.00	\$ 6,240.00
20	30-Inch Reinforced Concrete Drainage Pipe - 2000D	80	LF	\$ 105.00	\$ 8,400.00
21	12-Inch Corrugated HDPE Drainage Pipe (Smooth Interior)	290	LF	\$ 36.00	\$ 10,440.00
22	15-Inch Corrugated HDPE Drainage Pipe (Smooth Interior)	35	LF	\$ 78.00	\$ 2,730.00
24	4-Foot Diameter Catch Basin (Type E)	23	VF	\$ 255.00	\$ 5,865.00
25	6-Foot Diameter Catch Basin (Type E)	9	VF	\$ 610.00	\$ 5,490.00
26	4-Foot Diameter Drain Manholes	7	VF	\$ 350.00	\$ 2,450.00
27	Beehive Grate and Frame	1	EA	\$ 1,800.00	\$ 1,800.00
28	Catch Basin Grates and Frames, Type E, Cast Iron	3	EA	\$ 825.00	\$ 2,475.00
29	Drain Manhole Pamrex 32-Inch DI Frame and Cover	1	EA	\$ 975.00	\$ 975.00
30	Reconstructing/Adjusting Sewer Manholes	4	VF	\$ 450.00	\$ 1,800.00
31	6-Inch Pipe Underdrain with Stone and Fabric	1,250	LF	\$ 18.75	\$ 23,437.50
32	12-Inch Pipe Underdrain with Stone and Fabric	180	LF	\$ 42.50	\$ 7,650.00
34	Beam Guardrail (Standard Section-Wood Posts)	363	LF	\$ 22.00	\$ 7,986.00
35	Beam Guardrail (Curved w/CRT Posts)	25	LF	\$ 26.50	\$ 662.50
36	Beam Guardrail (Term. Unit Type EAGRT 25 FT.)	3	U	\$ 1,900.00	\$ 5,700.00
37	Vertical Granite Curb	260	LF	\$ 24.00	\$ 6,240.00
38	Straight Granite Slope Curb	165	LF	\$ 21.00	\$ 3,465.00
39	Adjusting/Relocating Hydrants	7	EA	\$ 1,650.00	\$ 11,550.00
40	Traffic Signs Type C (w/Post) (F)	30	SF	\$ 54.00	\$ 1,620.00
41	Traffic Control	1	LS	\$ 27,500.00	\$ 27,500.00
42 ALLOW	Uniformed Officer with Vehicle	1	\$	\$ 5,000.00	\$ 5,000.00
43	Portable Changeable Message Sign	36	U/WK	\$ 200.00	\$ 7,200.00
44	Single Delineator with Post	10	EA	\$ 35.00	\$ 350.00
45	Steel Witness Markers	20	EA	\$ 35.00	\$ 700.00
46	Retroreflective Paint Pavement Marking, 4" Line (White or Yellow)	31,300	LF	\$ 0.18	\$ 5,634.00
47	Retroreflective Paint Pavement Marking, 18" Line (White or Yellow)	70	LF	\$ 1.20	\$ 84.00
48	Loam (4 Inches)	1,100	CY	\$ 24.00	\$ 26,400.00
49	Erosion Control	1	LS	\$ 14,500.00	\$ 14,500.00
50	Stormwater Pollution Prevention Plan (SWPPP)	1	U	\$ 6,500.00	\$ 6,500.00
51	Turf Establishment with Mulch & Tackifiers	2	AC	\$ 1,800.00	\$ 3,600.00
52 ALLOW	Project Landscaping	1	\$	\$ 5,000.00	\$ 5,000.00
53	Mailbox and Assemblies	10	EA	\$ 100.00	\$ 1,000.00
54	Mobilization	1	LS	\$ 20,000.00	\$ 20,000.00
55 ALLOW	Asphalt Adjustment Allowance	1	\$	\$ 25,000.00	\$ 25,000.00
56 ALLOW	Project Contingency Allowance	1	\$	\$ 50,000.00	\$ 50,000.00
TOTAL - WATSON ROAD					\$ 1,433,521.50

Applied Unit Prices From Base Bid (January 2013)	
Unit Price	Contract Value

\$ 11,717.26	\$ 11,717.26
\$ 249.00	\$ 13,695.00
\$ 1,326.00	\$ 7,956.00
\$ 96,667.40	\$ 96,667.40
\$ 50.00	\$ 42,500.00
\$ 160.00	\$ 320.00
\$ 0.41	\$ 6,806.00
\$ 14.50	\$ 95,700.00
\$ 16.50	\$ 118,800.00
\$ 20.00	\$ 27,000.00
\$ 66.62	\$ 333,100.00
\$ 1,500.00	\$ 24,000.00
\$ 50.00	\$ 2,000.00
\$ 37.00	\$ 10,360.00
\$ 1.00	\$ 1,250.00
\$ 2.00	\$ 4,000.00
\$ 27.00	\$ 2,970.00
\$ 27.00	\$ 8,100.00
\$ 55.00	\$ 3,025.00
\$ 65.00	\$ 4,225.00
\$ 90.00	\$ 7,200.00
\$ 27.00	\$ 7,830.00
\$ 30.00	\$ 1,050.00
\$ 247.00	\$ 5,681.00
\$ 605.00	\$ 5,445.00
\$ 400.00	\$ 2,800.00
\$ 900.00	\$ 900.00
\$ 725.00	\$ 2,175.00
\$ 780.00	\$ 780.00
\$ 500.00	\$ 2,000.00
\$ 11.74	\$ 14,675.00
\$ 60.00	\$ 10,800.00
\$ 19.00	\$ 6,897.00
\$ 25.00	\$ 625.00
\$ 1,750.00	\$ 5,250.00
\$ 19.00	\$ 4,940.00
\$ 18.00	\$ 2,970.00
\$ 730.00	\$ 5,110.00
\$ 54.00	\$ 1,620.00
\$ 26,689.32	\$ 26,689.32
\$ 5,000.00	\$ 5,000.00
\$ 165.00	\$ 5,940.00
\$ 35.00	\$ 350.00
\$ 35.00	\$ 700.00
\$ 0.18	\$ 5,634.00
\$ 1.50	\$ 105.00
\$ 22.13	\$ 24,343.00
\$ 10,740.82	\$ 10,740.82
\$ 3,000.00	\$ 3,000.00
\$ 1,650.00	\$ 3,300.00
\$ 5,000.00	\$ 5,000.00
\$ 66.00	\$ 660.00
\$ 16,969.52	\$ 16,969.52
\$ 25,000.00	\$ 25,000.00
\$ 50,000.00	\$ 50,000.00
\$ 1,086,371.32	

Increase/Decrease From Extended Base Bid Pricing	
Contract Value Change (AEC Proposal - Base Bid)	% of Total Contract Value Change

\$ 17,782.74	5%
\$ 14,905.00	4%
\$ 144.00	0%
\$ 102,332.60	29%
\$ (1,700.00)	0%
\$ 580.00	0%
\$ 8,134.00	2%
\$ 31,350.00	9%
\$ 59,400.00	17%
\$ 14,175.00	4%
\$ 31,900.00	9%
\$ 7,600.00	2%
\$ 200.00	0%
\$ 3,080.00	1%
\$ 1,812.50	1%
\$ 300.00	0%
\$ 2,805.00	1%
\$ 9,900.00	3%
\$ 3,410.00	1%
\$ 2,015.00	1%
\$ 1,200.00	0%
\$ 2,610.00	1%
\$ 1,680.00	0%
\$ 184.00	0%
\$ 45.00	0%
\$ (350.00)	0%
\$ 900.00	0%
\$ 300.00	0%
\$ 195.00	0%
\$ (200.00)	0%
\$ 8,762.50	3%
\$ (3,150.00)	-1%
\$ 1,089.00	0%
\$ 37.50	0%
\$ 450.00	0%
\$ 1,300.00	0%
\$ 495.00	0%
\$ 6,440.00	2%
\$ -	0%
\$ 810.68	0%
\$ -	0%
\$ 1,260.00	0%
\$ -	0%
\$ -	0%
\$ -	0%
\$ (21.00)	0%
\$ 2,057.00	1%
\$ 3,759.18	1%
\$ 3,500.00	1%
\$ 300.00	0%
\$ -	0%
\$ 340.00	0%
\$ 3,030.48	1%
\$ -	0%
\$ -	0%
\$ 347,150.18	32% Increase

Applied Unit Prices From Add Alternate Bid (January 2013)	
Unit Price	Contract Value

\$ 14,637.66	\$ 14,637.66
\$ 330.00	\$ 18,150.00
\$ 1,400.00	\$ 8,400.00
\$ 96,561.41	\$ 96,561.41
\$ 50.00	\$ 42,500.00
\$ 160.00	\$ 320.00
\$ 0.50	\$ 8,300.00
\$ 16.79	\$ 110,814.00
\$ 19.79	\$ 142,488.00
\$ 20.00	\$ 27,000.00
\$ 71.00	\$ 355,000.00
\$ 1,500.00	\$ 24,000.00
\$ 50.00	\$ 2,000.00
\$ 31.00	\$ 8,680.00
\$ 1.00	\$ 1,250.00
\$ 2.00	\$ 4,000.00
\$ 28.00	\$ 3,080.00
\$ 27.00	\$ 8,100.00
\$ 55.00	\$ 3,025.00
\$ 65.00	\$ 4,225.00
\$ 90.00	\$ 7,200.00
\$ 28.00	\$ 8,120.00
\$ 28.00	\$ 980.00
\$ 212.00	\$ 4,876.00
\$ 605.00	\$ 5,445.00
\$ 225.00	\$ 1,575.00
\$ 900.00	\$ 900.00
\$ 730.00	\$ 2,190.00
\$ 800.00	\$ 800.00
\$ 500.00	\$ 2,000.00
\$ 11.74	\$ 14,675.00
\$ 60.00	\$ 10,800.00
\$ 19.00	\$ 6,897.00
\$ 25.00	\$ 625.00
\$ 1,750.00	\$ 5,250.00
\$ 19.00	\$ 4,940.00
\$ 18.00	\$ 2,970.00
\$ 750.00	\$ 5,250.00
\$ 50.00	\$ 1,500.00
\$ 39,033.77	\$ 39,033.77
\$ 5,000.00	\$ 5,000.00
\$ 165.00	\$ 5,940.00
\$ 35.00	\$ 350.00
\$ 35.00	\$ 700.00
\$ 0.18	\$ 5,634.00
\$ 1.50	\$ 105.00
\$ 24.43	\$ 26,873.00
\$ 13,011.66	\$ 13,011.66
\$ 3,000.00	\$ 3,000.00
\$ 1,700.00	\$ 3,400.00
\$ 5,000.00	\$ 5,000.00
\$ 65.00	\$ 650.00
\$ 16,969.52	\$ 16,969.52
\$ 25,000.00	\$ 25,000.00
\$ 50,000.00	\$ 50,000.00
\$ 1,170,191.02	

Increase/Decrease From Extended Add Alternate Bid Pricing	
Contract Value Change (AEC Proposal - Add Alt.)	% of Total Contract Value Change

\$ 14,862.34	6%
\$ 10,450.00	4%
\$ (300.00)	0%
\$ 102,438.59	39%
\$ (1,700.00)	-1%
\$ 580.00	0%
\$ 6,640.00	3%
\$ 16,236.00	6%
\$ 35,712.00	14%
\$ 14,175.00	5%
\$ 10,000.00	4%
\$ 7,600.00	3%
\$ 200.00	0%
\$ 4,760.00	2%
\$ 1,812.50	1%
\$ 300.00	0%
\$ 2,695.00	1%
\$ 9,900.00	4%
\$ 3,410.00	1%
\$ 2,015.00	1%
\$ 1,200.00	0%
\$ 2,320.00	1%
\$ 1,750.00	1%
\$ 989.00	0%
\$ 45.00	0%
\$ 875.00	0%
\$ 900.00	0%
\$ 285.00	0%
\$ 175.00	0%
\$ (200.00)	0%
\$ 8,762.50	3%
\$ (3,150.00)	-1%
\$ 1,089.00	0%
\$ 37.50	0%
\$ 450.00	0%
\$ 1,300.00	0%
\$ 495.00	0%
\$ 6,300.00	2%
\$ 120.00	0%
\$ (11,533.77)	-4%
\$ -	0%
\$ 1,260.00	0%
\$ -	0%
\$ -	0%
\$ (21.00)	0%
\$ (473.00)	0%
\$ 1,488.34	1%
\$ 3,500.00	1%
\$ 200.00	0%
\$ -	0%
\$ 350.00	0%
\$ 3,030.48	1%
\$ -	0%
\$ -	0%
\$ 263,330.48	23% Increase

 Added item. Engineers estimate.
 Original bid price prorated for length.
 Specified allowance for Watson Road.
 Specification for item revised from original bid.

 Not an add alt. item, base bid cost used.

Standalone Project Savings Estimate:

AEC Extended Add Alt. Bid Pricing:	\$	1,170,191	
Anticipated Bid Increase (14%) ¹	\$	163,827	
Subtotal	\$	1,334,018	
Inflation Jan. 2013 to Present (5%) ²	\$	66,701	
Subtotal	\$	1,400,719	
Additional Mobilization ³	\$	65,500	
Additional Pavement Cost ⁴	\$	15,250	
Additional Engineering/Admin. ⁵	\$	7,500	
Anticipated Cost if Bid as Standalone:	\$	1,488,969	
AEC Proposal:	\$	1,433,522	
Anticipated Added Cost If Bid as Standalone:	\$	55,447	4%

¹Based on % over AEC bid for next three lowest bids from Jan. 13' bidding.

²Based on Turner Building Construction price index change since original bid.

³8% mobilization vs. 1% from AEC Change Order proposal.

⁴\$3/Ton pavement cost increase due to specification change limiting Total Reused Binder.

⁵Estimated cost for bidding as a standalone project; including developing revised contract documents, reprinting, bidding, bid analysis, etc.