

	A	B	C	D	E	F	G	H	I
1	The following tables approximate average cost information on bridge construction work by structure type in recent years. Structure cost is derived by multiplying the engineer's estimate for the cumulated structure costs on the project by the ratio of the low bid price for the project to the engineer's estimate of the project cost. The cumulation of the calculated low bid structure costs for the year is then divided by the cumulated gross deck area of the structures represented to arrive at the approximate average unit cost. These unit cost tabulations include only structure work items for roadway, superstructure, and substructure, and do not include the items for approach roadway construction, traffic control, removal of old structures, and mobilization.								
2									
3	Items	2004 Data				2005 Data			
4	Average % Breakdown of Overall Project Costs for Bridges								
5		Span-type Structures		Bridge-class Culverts		Span-type Structures		Bridge-class Culverts	
6		On-system	Off-system	On-system	Off-system	On-system	Off-system	On-system	Off-system
7	Structure items	53.09%	52.92%	61.18%	52.51%	55.77%	52.19%	42.65%	50.33%
8	Removal of old structure items	4.51%	6.77%	4.88%	4.86%	2.98%	2.84%	4.50%	3.81%
9	Mobilization item	7.07%	8.31%	9.89%	8.94%	9.12%	8.55%	7.66%	8.62%
10	Approach roadway and misc. items	35.33%	32.00%	24.06%	36.76%	32.12%	36.42%	45.19%	30.42%
11									
12									
13	Items	2004 Data				2005 Data			
14	Unit Cost Table for On-System Bridges								
15	Structure Type	No. of Bridges	Deck Area (Out-to-Out, sq. ft.)	Contract Cost (\$)	Average Unit Cost (\$/sq. ft.)	No. of Bridges	Deck Area (Out-to-Out, sq. ft.)	Contract Cost (\$)	Average Unit Cost (\$/sq. ft.)
16	Girder, prestressed, I-shaped (GP-I)	231	7,133,351	\$251,499,251	\$35.26	179	5,107,963	\$235,756,453	\$46.15
17	Girder, prestressed, box-shaped, (GP-Box)	23	365,302	\$22,548,451	\$61.73	45	485,801	\$30,488,781	\$62.76
18	Girder, prestressed, T-shaped, (GP-T)	1	7,200	\$322,213	\$44.75	3	21,480	\$1,452,743	\$67.63
19	Girder, prestressed, U-shaped, (GP-U)	38	1,398,271	\$64,007,766	\$45.78	53	2,435,336	\$100,806,053	\$41.39
20	Girder, steel, I-shaped (GS-I)	23	751,691	\$66,748,917	\$88.80	33	1,052,986	\$90,383,399	\$85.84
21	Girder, steel, trapezoidal shaped (GS-TR)	14	576,670	\$94,913,399	\$164.59	13	385,192	\$30,965,973	\$80.39
22	Concrete girder, pan form (CG-Pan)	2	14,720	\$810,585	\$55.07	1	10,880	\$537,336	\$49.39
23	Concrete slab (SLAB)	1	8,000	\$251,870	\$31.48	3	12,150	\$817,192	\$67.26
24	Slab, prestressed (PCSB)	14	104,070	\$6,326,067	\$60.79	9	54,786	\$3,332,256	\$60.82
25									
26	Total	347	10,359,274	\$507,428,518	\$48.98	339	9,566,574	\$494,540,187	\$51.69
27									
28									
29									
30	Items	2004 Data				2005 Data			
31	Unit Cost Table for Off-System Bridges								
32	Structure Type	No. of Bridges	Deck Area (Out-to-Out, sq. ft.)	Contract Cost (\$)	Average Unit Cost (\$/sq. ft.)	No. of Bridges	Deck Area (Out-to-Out, sq. ft.)	Contract Cost (\$)	Average Unit Cost (\$/sq. ft.)
33	Girder, prestressed, I-shaped (GP-I)	80	397,493	\$19,326,651	\$48.62	64	702,353	\$29,485,011	\$41.98
34	Girder, prestressed, box-shaped, (GP-Box)	6	23,801	\$1,299,603	\$54.60	7	16,386	\$1,321,490	\$80.65
35	Girder, prestressed, T-shaped, (GP-T)	7	16,920	\$873,322	\$51.61	1	1,800	\$178,215	\$99.01
36	Girder, steel, I-shaped (GS-I)	3	12,550	\$1,165,738	\$92.89	1	2,600	\$109,204	\$73.16
37	Girder, steel, trapezoidal shaped (GS-Trap)	0	-	-	-	1	45,920	\$3,570,217	\$77.75
38	Concrete Girder, T-Shaped (CG-T)	0	-	-	-	1	1,560	\$166,265	\$106.58
39	Concrete girder, pan form (CG-Pan)	9	20,215	\$1,088,650	\$53.85	2	5,486	\$305,884	\$55.76
40	Concrete slab (SLAB)	4	8,700	\$402,957	\$46.32	11	55,206	\$2,808,283	\$50.87
41	Slab, prestressed (PCSB)	6	9,505	\$710,806	\$74.78	24	50,680	\$3,563,679	\$70.32
42									
43	Steel truss (STRTR)	3	10,080	\$1,095,215	\$108.65	0	-	-	-
44	Total	118	499,263	\$25,962,941	\$52.00	112	881,991	\$41,589,248	\$47.15
45									
46									
47	Items	2004 Data				2005 Data			
48	Unit Cost Table for Bridge-class Culverts								
49	Structure Type	No. of Structures	Deck Area (Out-to-Out, sq. ft.)	Contract Cost (\$)	Average Unit Cost (\$/sq. ft.)	No. of Structures	Deck Area (Out-to-Out, sq. ft.)	Contract Cost (\$)	Average Unit Cost (\$/sq. ft.)
50	On-system HBRRP	6	9,819	\$606,862	\$61.80	9	14,357	\$1,069,155	\$74.47
51	On-system non-HBRRP	94	778,899	\$25,479,225	\$32.71	68	449,636	\$18,097,926	\$40.25
52	On-system total	100	788,718	\$26,086,087	\$33.07	77	463,993	\$19,167,081	\$41.31
53									
54	Off-system HBRRP	38	43,474	\$3,171,113	\$72.94	34	55,220	\$3,796,441	\$68.75
55	Off-system non-HBRRP	7	20,834	\$1,598,347	\$76.72	6	37,092	\$1,657,117	\$44.68
56	Off-system total	45	64,308	\$4,769,461	\$74.17	40	92,313	\$5,453,558	\$59.08