



FY 17 Average Unit Cost

State FY 2017 Low Bid Average for New and Replaced Bridges with DCIS Estimate													average	Total Number
Length, LF	20-50		51-100		101-200		201-400		401-1000		>1000			
Type	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	\$/SF	#
CLV	32	62.5	7	56.2									60.8	39
GP-BX			16	110.5	3	107.8	12	83.1					90.4	31
GPDSB	1	118.7	3	117.7	1	88.7							100.6	5
GPITX	1	122.8	18	94.0	38	61.9	105	58.5	39	65.0	21	63.9	62.5	220
GP-U			1	63.1			3	57.5	2	48.8	12	65.2	64.4	18
GPXBX			3	120.4	1	88.7	1	86.7					85.4	5
GS-I					2	148.1	1	137.2	5	151.2	1	124.9	146.3	9
GS-I RR					4	562.6							562.6	4
GS-TR					1	142.4	2	184.8	5	196.3	2	165.3	177.8	10
PCSB	18	130.5	13	116.7	22	84.5	4	47.6					86.8	57

Legend:

- CLV - Bridge Class Culvert
- GP-BX - Girder Prestressed "Box" Beam
- GPDSB - Girder Prestressed Decked Slab Beam
- GPITX - Girder Prestressed "I" Texas Shape
- GP-U - Girder Prestressed "U" Beam
- GPXBX - Girder Prestressed "X Box"
- GS-I - Girder Steel "I" Beam
- GS-I RR - Girder Steel "I" Beam carrying RR
- GS-TR - Girder Steel Trapezoidal
- PCSB - Prestressed Concrete Slab Beam

Note: # is a number of whole or portions of a bridge of a certain type. In this case 398 portions represent 376 bridges.



TEXAS DEPARTMENT OF TRANSPORTATION

State FY 2017 Low Bid Average for New and Replaced Bridges with DCIS Estimate, cont.

Length, LF	20-50				51-100				101-200				201-400				401-1000				>1000				average \$/SF			
	On		Off		On		Off		On		Off		On		Off		On		Off		On		Off		On	Off	Total	
Type	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	#	\$/SF	\$/SF	\$/SF	\$/SF	
CLV	25	59.8	7	101.0	5	56.20	2	55.8																	52.6	77.1	60.8	
GP-BX					5	95.7	11	129.5	1	52.6	2	123.3	11	86.2	1	70.0									85.7	108.1	90.4	
GPDSB			1	118.7			3	117.7	1	88.7															88.7	117.9	100.6	
GPITX	1	122.8			6	68.7	12	130.2	33	60.7	3	98.9	103	58.3	2	77.9	38	65.0	1	63.7	20	63.9	1	64	62.0	78.9	62.5	
GP-U					1	63.1							3	57.5			2	48.8			12	65.2			64.4		64.4	
GPXBX					2	92.3	1	172.1	1	88.7			1	86.7												78.8	172.1	85.4
GS-I									2	148.1			1	137.2			5	151.2			1	124.9			146.3		146.3	
GS-I RR											4	562.6													562.6		562.6	
GS-TR									1	142.4			2	184.8			5	196.3			2	165.3			177.8		177.8	
PCSB			18	130.5	3	100.4	10	123.0	15	81.6	7	94.5	4	47.6											71.5	116.0	86.8	

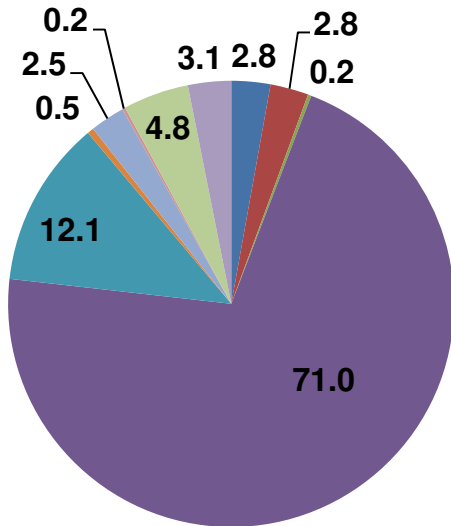
Type	average \$/SF			Area								Cost								Number							
	On	Off	Total	On			Off			Total	%Total	On		Off		Total	Total	On		Off		Total	Total				
	\$/SF	\$/SF	\$/SF	SF	avg SF	%	SF	avg SF	%	SF	%	\$	%	\$	%	\$	%	#	%	#	%	#	%				
CLV	52.6	77.1	60.8	196,280	6,543	89.7	22,432	2,492	10.3	218,712	2.8	11,563,721	87.0	1,730,243	13.0	13,293,964	2.3	30	76.9	9	23.1	39	9.8				
GP-BX	85.7	108.1	90.4	168,639	9,920	79.2	44,422	3,173	20.8	213,061	2.8	14,455,525	75.1	4,800,148	24.9	19,255,673	3.4	17	54.8	14	45.2	31	7.8				
GPDSB	88.7	117.9	100.6	10,880	10,880	59.1	7,540	1,885	40.9	18,420	0.2	964,638	52.1	888,621	47.9	1,853,259	0.3	1	20.0	4	80.0	5	1.3				
GPITX	62.0	78.9	62.5	5,321,169	26,473	97.2	152,370	8,019	2.8	5,473,539	71.0	330,001,696	96.5	12,026,579	3.5	342,028,275	60.1	201	91.4	19	8.6	220	55.3				
GP-U	64.4		64.4	933,928	51,885	100	0	0	0.0	933,928	12.1	64,983,594	100.0	0	0.0	64,983,594	11.4	18	100.0	0	0.0	18	4.5				
GPXBX	78.8	172.1	85.4	33,758	8,440	93	2,560	2,560	7	36,318	0.5	2,659,136	85.8	440,627	14.2	3,099,763	0.5	4	80.0	1	20.0	5	1.3				
GS-I	146.3		146.3	193,573	21,508	100	0	0	0.0	193,573	2.5	28,320,162	100.0	0	0.0	28,320,162	5.0	9	100.0	0	0.0	9	2.3				
GS-I RR	562.6		562.6	0	0	0.0	17,137	4,284	0.0	17,137	0.2	0	0.0	9,641,864	100.0	9,641,864	1.7	0	0.0	4	100.0	4	1.0				
GS-TR	177.8		177.8	368,181	36,818	100	0	0	0.0	368,181	4.8	65,474,554	100.0	0	0.0	65,474,554	11.5	10	100.0	0	0.0	10	2.5				
PCSB	71.5	116.0	86.8	157,857	7,175	65.6	82,720	2,363	34.4	240,577	3.1	11,279,798	54.0	9,592,912	46.0	20,872,710	3.7	22	38.6	35	61.4	57	14.3				
ALL*	71.7	118.8	73.7	7384265		95.7	329181		4.3	7713446	100.0	529,702,824	93.1	39,120,994	6.9	568,823,818	100.0	312	78.4	86	21.6	398	100.0				
All-CLV	72.1	121.9	74.1	7187985		95.9	306749		4.1	7494734	97.2	518,139,103	93.3	37,390,751	6.7	555,529,854	97.7	282	78.6	77	21.4	359	90.2				
CLV	52.6	77.1	72.4	196280		89.7	22432		10	218712	2.8	11,563,721	87.0	1,730,243	13.0	13,293,964	2.3	30	76.9	9	23.1	39	9.8				

* For Unit Cost calculations two bridges were excluded. In FY 2017 \$606.6 mil. were spent for 378 Replaced or New bridges

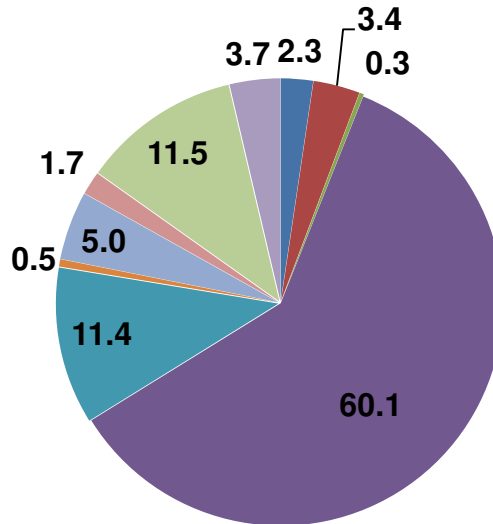
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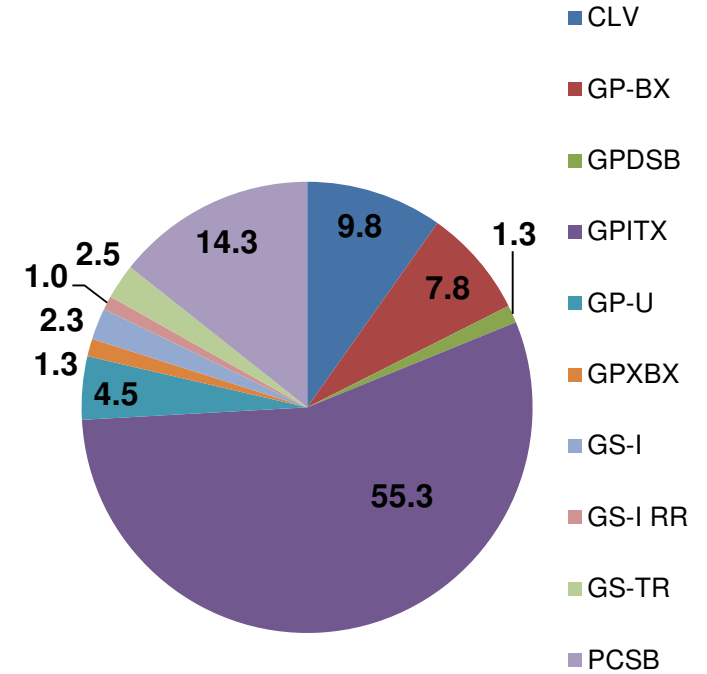
FY 2017 Bridge Area [%]



FY 2017 Bridge Cost [%]



FY 2017 Bridge Number [%]



Legend	
CLV	- Bridge Class Culvert
GP-BX	- Girder Prestressed "Box" Beam
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