

**SUMMARY OF QUANTITIES - SUPERSTRUCTURE (PER SPAN)**

SPAN	PRESTRESSED CONCRETE BEAM TYPE	STANDARD PIER TO STANDARD PIER						STANDARD PIER TO STEPPED PIER						STEPPED PIER TO STEPPED PIER					
		PRESTRESSED CONCRETE BEAMS (TYPE ①) (LF)	CONCRETE RAIL (TR3) (LF)	STRUCTURAL STEEL (LB)	CLASS AA CONCRETE (CY)	REINFORCING STEEL ② (LB)	(PL) FIXED OR EXPANSION BEARING ASSEMBLY ③ (EA)	PRESTRESSED CONCRETE BEAMS (TYPE ①) (LF)	CONCRETE RAIL (TR3) (LF)	STRUCTURAL STEEL (LB)	CLASS AA CONCRETE (CY)	REINFORCING STEEL ② (LB)	(PL) FIXED OR EXPANSION BEARING ASSEMBLY ③ (EA)	PRESTRESSED CONCRETE BEAMS (TYPE ①) (LF)	CONCRETE RAIL (TR3) (LF)	STRUCTURAL STEEL (LB)	CLASS AA CONCRETE (CY)	REINFORCING STEEL ② (LB)	(PL) FIXED OR EXPANSION BEARING ASSEMBLY ③ (EA)
30'	II	89.00	60.0	280	23.9	5,740	6	89.00	60.7	280	24.2	5,760	6	89.00	61.4	280	24.5	5,790	6
	B	89.00	60.0	290	23.8	5,730	6	89.00	60.7	290	24.1	5,760	6	89.00	61.4	290	24.4	5,790	6
35'	II	104.00	70.0	280	27.5	6,490	6	104.00	70.7	280	27.7	6,520	6	104.00	71.4	280	28.0	6,540	6
	B	104.00	70.0	290	27.3	6,480	6	104.00	70.7	290	27.6	6,510	6	104.00	71.4	290	27.9	6,530	6
40'	II	119.00	80.0	280	31.0	7,390	6	119.00	80.7	280	31.3	7,420	6	119.00	81.4	280	31.6	7,450	6
	B	119.00	80.0	290	30.8	7,380	6	119.00	80.7	290	31.1	7,410	6	119.00	81.4	290	31.4	7,440	6
45'	II	134.00	90.0	280	34.5	8,140	6	134.00	90.7	280	34.8	8,170	6	134.00	91.4	280	35.1	8,200	6
	B	134.00	90.0	290	34.4	8,130	6	134.00	90.7	290	34.6	8,160	6	134.00	91.4	290	34.9	8,190	6
50'	II	149.00	100.0	280	38.0	9,110	6	149.00	100.7	280	38.3	9,130	6	149.00	101.4	280	38.6	9,160	6
	B	149.00	100.0	290	37.9	9,100	6	149.00	100.7	290	38.2	9,120	6	149.00	101.4	290	38.5	9,150	6
55'	II	164.00	110.0	280	41.5	9,850	6	164.00	110.7	280	41.8	9,880	6	164.00	111.4	280	42.1	9,910	6
	B	164.00	110.0	290	41.4	9,850	6	164.00	110.7	290	41.7	9,870	6	164.00	111.4	290	42.0	9,900	6
60'	II	179.00	120.0	280	45.1	10,760	6	179.00	120.7	280	45.4	10,790	6	179.00	121.4	280	45.6	10,820	6
	C	179.00	120.0	290	45.6	10,770	6	179.00	120.7	290	45.9	10,800	6	179.00	121.4	290	46.2	10,830	6
65'	III	194.00	130.0	290	49.6	11,530	6	194.00	130.7	290	49.9	11,560	6	194.00	131.4	290	50.2	11,590	6
	C	194.00	130.0	290	49.2	11,520	6	194.00	130.7	290	49.5	11,550	6	194.00	131.4	290	49.8	11,570	6
70'	III	209.00	140.0	290	53.1	12,500	6	209.00	140.7	290	53.4	12,520	6	209.00	141.4	290	53.7	12,550	6
	C	209.00	140.0	290	52.7	12,480	6	209.00	140.7	290	53.0	12,510	6	209.00	141.4	290	53.3	12,540	6
75'	III	224.00	150.0	290	56.7	13,250	6	224.00	150.7	290	57.0	13,280	6	224.00	151.4	290	57.3	13,300	6
	C	224.00	150.0	290	56.2	13,230	6	224.00	150.7	290	56.5	13,260	6	224.00	151.4	290	56.9	13,290	6
80'	III	239.00	160.0	290	60.2	14,150	6	239.00	160.7	290	60.5	14,180	6	239.00	161.4	290	60.8	14,210	6
	IV	239.00	160.0	290	61.2	14,170	6	239.00	160.7	290	61.5	14,190	6	239.00	161.4	290	61.8	14,220	6
85'	III	254.00	170.0	290	63.8	14,900	6	254.00	170.7	290	64.1	14,930	6	254.00	171.4	290	64.4	14,960	6
	IV	254.00	170.0	290	64.8	14,910	6	254.00	170.7	290	65.1	14,940	6	254.00	171.4	290	65.4	14,970	6
90'	IV	269.00	180.0	290	68.4	15,820	6	269.00	180.7	290	68.7	15,850	6	269.00	181.4	290	69.0	15,880	6
95'	IV	284.00	190.0	290	72.0	16,570	6	284.00	190.7	290	72.3	16,600	6	284.00	191.4	290	72.6	16,630	6
100'	IV	299.00	200.0	290	76.7	17,480	6	299.00	200.7	290	77.0	17,500	6	299.00	201.4	290	77.3	17,530	6
105'	IV	314.00	210.0	380	80.3	18,360	6	314.00	210.7	380	80.6	18,390	6	314.00	211.4	380	80.9	18,420	6
110'	BT-72	329.00	220.0	750	94.6	20,440	6	329.00	220.7	750	95.0	20,470	6	329.00	221.4	750	95.3	20,500	6
	J	329.00	220.0	750	94.6	20,440	6	329.00	220.7	750	95.0	20,470	6	329.00	221.4	750	95.3	20,500	6
115'	BT-72	344.00	230.0	750	98.4	21,190	6	344.00	230.7	750	98.8	21,220	6	344.00	231.4	750	99.1	21,250	6
	J	344.00	230.0	750	98.4	21,190	6	344.00	230.7	750	98.8	21,220	6	344.00	231.4	750	99.1	21,250	6
120'	BT-72	359.00	240.0	750	102.2	22,100	6	359.00	240.7	750	102.6	22,120	6	359.00	241.4	750	102.9	22,150	6
	J	359.00	240.0	750	102.2	22,100	6	359.00	240.7	750	102.6	22,120	6	359.00	241.4	750	102.9	22,150	6
125'	J	374.00	250.0	750	106.0	22,850	6	374.00	250.7	750	106.4	22,880	6	374.00	251.4	750	106.7	22,900	6
130'	J	389.00	260.0	750	109.8	23,750	6	389.00	260.7	750	110.2	23,780	6	389.00	261.4	750	110.5	23,810	6
135'	J	404.00	270.0	750	113.6	24,500	6	404.00	270.7	750	114.0	24,530	6	404.00	271.4	750	114.3	24,560	6

① PRESTRESSED CONCRETE BEAM TYPE SHALL BE TYPE II, TYPE B, TYPE III, TYPE C, TYPE IV, TYPE 72 BT OR TYPE J BT AS APPLICABLE.

② QUANTITY INCLUDES PROVISION FOR LAP SPLICES REQUIRED IN THE LONGITUDINAL REINFORCING STEEL AS FOLLOWS:  
 30' THRU 45' SPANS - 1/2 LAP SPLICE  
 50' THRU 65' SPANS - 1 LAP SPLICE  
 70' THRU 105' SPANS - 1 1/2 LAP SPLICES  
 110' THRU 135' SPANS - 2 LAP SPLICES  
 LAP SPLICES ACCOUNT FOR ADJACENT SPAN COMBINATIONS AND ARE APPROXIMATE. PAYMENT FOR "REINFORCING STEEL" WILL BE BASED ON PLAN QUANTITY.

③ PROVIDE AND INSTALL FIXED OR EXPANSION BEARING ASSEMBLIES OF THE SIZE, SHAPE AND LOCATION AS DETAILED IN THE PLANS. SEE SUMMARY FOR THE ESTIMATED TOTAL AMOUNT OF STRUCTURAL STEEL PER EACH FIXED OR EXPANSION BEARING ASSEMBLY. ALL COST OF PROVIDING AND INSTALLING THE FIXED OR EXPANSION BEARING ASSEMBLIES INCLUDING THE COST OF STEEL REINFORCED ELASTOMERIC BEARING PADS, ANCHOR PLATES, CONTACT PLATES, CONTACT ANGLES, ANCHOR BOLTS, NUTS, WASHERS, MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH OF "FIXED BEARING ASSEMBLY" OR "EXPANSION BEARING ASSEMBLY."

**NOTES:**

QUANTITY CALCULATIONS ASSUME ALL PIERS ARE FIXED PIERS. ANY ADJUSTMENTS TO THE QUANTITIES OF "CONCRETE RAIL (TR3)", "CLASS AA CONCRETE" AND "REINFORCING STEEL" NECESSARY TO ACCOUNT FOR EXPANSION JOINT OPENINGS WITHIN THE BRIDGE ARE MINOR AND HAVE NOT BEEN CONSIDERED. PAYMENT FOR "CONCRETE RAIL (TR3)", "CLASS AA CONCRETE" AND "REINFORCING STEEL" WILL BE BASED ON PLAN QUANTITY.

APPROVED BY BRIDGE ENGINEER	<i>Robert J. Rusch</i>	DATE	10/16/08
OKLAHOMA DEPARTMENT OF TRANSPORTATION COUNTY BRIDGE STANDARD (ENGLISH)			
<b>SUPERSTRUCTURE QUANTITIES</b>			
P.C. BEAMS			
(SHEET NO. 2 OF 2)			
<b>26' CLEAR ROADWAY - CONVENTIONAL - SKEWED 0°</b>			
1999 STANDARD SPECIFICATIONS	CB26-C-SKO-SPR-QUAN-PCB-2	00E	CB-191E