

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) EXPANSION BEARING ASSEMBLY ③ (EA)	(PL) ELASTOMERIC BEARING PADS ④ (EA)	PRESTRESSED CONCRETE BEAMS (TYPE ①) (LF)	CONCRETE RAIL (TR3) (LF)	STRUCTURAL STEEL (LB)	CLASS AA CONCRETE (CY)	REINFORCING STEEL ② (LB)	(PL) EXPANSION BEARING ASSEMBLY ③ (EA)	(PL) ELASTOMERIC BEARING PADS ④ (EA)	PRESTRESSED CONCRETE BEAMS (TYPE ①) (LF)	CONCRETE RAIL (TR3) (LF)	STRUCTURAL STEEL (LB)	CLASS AA CONCRETE (CY)	REINFORCING STEEL ② (LB)	(PL) EXPANSION BEARING ASSEMBLY ③ (EA)	(PL) ELASTOMERIC BEARING PADS ④ (EA)
30'	II	89.00	60.0	280	23.5	8,440	6	6	89.00	60.7	280	23.7	8,470	6	6	89.00	61.4	280	23.9	8,500	6	6
	B	89.00	60.0	290	23.3	8,430	6	6	89.00	60.7	290	23.6	8,460	6	6	89.00	61.4	290	23.8	8,490	6	6
35'	II	104.00	70.0	280	27.0	9,190	6	6	104.00	70.7	280	27.2	9,220	6	6	104.00	71.4	280	27.5	9,240	6	6
	B	104.00	70.0	290	26.9	9,180	6	6	104.00	70.7	290	27.1	9,210	6	6	104.00	71.4	290	27.3	9,230	6	6
40'	II	119.00	80.0	280	30.5	10,090	6	6	119.00	80.7	280	30.6	10,110	6	6	119.00	81.4	280	30.8	10,140	6	6
	B	119.00	80.0	290	30.4	10,080	6	6	119.00	80.7	290	30.6	10,110	6	6	119.00	81.4	290	30.8	10,140	6	6
45'	II	134.00	90.0	280	34.1	10,840	6	6	134.00	90.7	280	34.3	10,870	6	6	134.00	91.4	280	34.5	10,900	6	6
	B	134.00	90.0	290	33.9	10,830	6	6	134.00	90.7	290	34.1	10,860	6	6	134.00	91.4	290	34.4	10,890	6	6
50'	II	149.00	100.0	280	37.6	11,810	6	6	149.00	100.7	280	37.8	11,830	6	6	149.00	101.4	280	38.0	11,860	6	6
	B	149.00	100.0	290	37.4	11,800	6	6	149.00	100.7	290	37.7	11,820	6	6	149.00	101.4	290	37.9	11,850	6	6
55'	II	164.00	110.0	280	41.1	12,550	6	6	164.00	110.7	280	41.3	12,580	6	6	164.00	111.4	280	41.6	12,610	6	6
	B	164.00	110.0	290	41.0	12,550	6	6	164.00	110.7	290	41.2	12,580	6	6	164.00	111.4	290	41.4	12,600	6	6
60'	II	179.00	120.0	280	44.6	13,460	6	6	179.00	120.7	280	44.9	13,490	6	6	179.00	121.4	280	45.1	13,520	6	6
	C	179.00	120.0	290	45.0	13,670	6	6	179.00	120.7	290	45.2	13,700	6	6	179.00	121.4	290	45.5	13,730	6	6
65'	III	194.00	130.0	290	49.1	14,440	6	6	194.00	130.7	290	49.3	14,470	6	6	194.00	131.4	290	49.5	14,500	6	6
	C	194.00	130.0	290	48.5	14,420	6	6	194.00	130.7	290	48.8	14,450	6	6	194.00	131.4	290	49.0	14,480	6	6
70'	III	209.00	140.0	290	52.6	15,410	6	6	209.00	140.7	290	52.8	15,430	6	6	209.00	141.4	290	53.1	15,460	6	6
	C	209.00	140.0	290	52.1	15,390	6	6	209.00	140.7	290	52.3	15,410	6	6	209.00	141.4	290	52.5	15,440	6	6
75'	III	224.00	150.0	290	56.2	16,150	6	6	224.00	150.7	290	56.4	16,180	6	6	224.00	151.4	290	56.6	16,210	6	6
	C	224.00	150.0	290	55.6	16,130	6	6	224.00	150.7	290	55.9	16,160	6	6	224.00	151.4	290	56.1	16,190	6	6
80'	III	239.00	160.0	290	59.7	17,060	6	6	239.00	160.7	290	60.0	17,090	6	6	239.00	161.4	290	60.2	17,120	6	6
	IV	239.00	160.0	290	60.8	17,550	6	6	239.00	160.7	290	61.1	17,580	6	6	239.00	161.4	290	61.3	17,610	6	6
85'	III	254.00	170.0	290	63.3	17,810	6	6	254.00	170.7	290	63.5	17,840	6	6	254.00	171.4	290	63.7	17,860	6	6
	IV	254.00	170.0	290	64.4	18,300	6	6	254.00	170.7	290	64.7	18,330	6	6	254.00	171.4	290	64.9	18,350	6	6
90'	IV	269.00	180.0	290	68.0	19,200	6	6	269.00	180.7	290	68.3	19,230	6	6	269.00	181.4	290	68.5	19,260	6	6
95'	IV	284.00	190.0	290	71.6	19,950	6	6	284.00	190.7	290	71.9	19,980	6	6	284.00	191.4	290	72.1	20,010	6	6
100'	IV	299.00	200.0	290	75.2	20,860	6	6	299.00	200.7	290	75.5	20,890	6	6	299.00	201.4	290	75.7	20,920	6	6
105'	IV	314.00	210.0	380	79.9	21,740	6	6	314.00	210.7	380	80.2	21,770	6	6	314.00	211.4	380	80.4	21,800	6	6
	BT-72	329.00	220.0	750	93.3	23,840	6	6	329.00	220.7	750	93.5	23,860	6	6	329.00	221.4	750	93.8	23,890	6	6
110'	J	329.00	220.0	750	93.3	23,840	6	6	329.00	220.7	750	93.5	23,860	6	6	329.00	221.4	750	93.8	23,890	6	6
	BT-72	344.00	230.0	750	97.1	24,580	6	6	344.00	230.7	750	97.3	24,610	6	6	344.00	231.4	750	97.6	24,640	6	6
115'	J	344.00	230.0	750	97.1	24,580	6	6	344.00	230.7	750	97.3	24,610	6	6	344.00	231.4	750	97.6	24,640	6	6
	BT-72	359.00	240.0	750	100.9	25,490	6	6	359.00	240.7	750	101.1	25,520	6	6	359.00	241.4	750	101.4	25,550	6	6
120'	J	359.00	240.0	750	100.9	25,490	6	6	359.00	240.7	750	101.1	25,520	6	6	359.00	241.4	750	101.4	25,550	6	6
125'	J	374.00	250.0	750	104.7	26,240	6	6	374.00	250.7	750	104.9	26,270	6	6	374.00	251.4	750	105.2	26,290	6	6
130'	J	389.00	260.0	750	108.5	27,140	6	6	389.00	260.7	750	108.7	27,170	6	6	389.00	261.4	750	109.0	27,200	6	6
135'	J	404.00	270.0	750	112.3	27,890	6	6	404.00	270.7	750	112.5	27,920	6	6	404.00	271.4	750	112.8	27,950	6	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 AT THE PIERS, PROVIDE AND INSTALL 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 EXPANSION BEARING ASSEMBLY. ALL COST OF PROVIDING AND INSTALLING THE 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 "EXPANSION BEARING ASSEMBLY."
- ④ PROVIDE AND INSTALL ELASTOMERIC BEARING PADS BETWEEN THE TOP SURFACE OF THE P.C. BEAMS AND THE BOTTOM SURFACE OF THE DECK SLAB. THE ELASTOMERIC BEARING PADS ARE TO BE OF THE SIZE AND SHAPE AS DETAILED IN THE PLANS AND LOCATED AT EACH BEAM END ABOVE THE PIERS. ALL COST OF PROVIDING AND INSTALLING THE ELASTOMERIC BEARING PADS INCLUDING THE COST OF ELASTOMERIC BEARING PADS, MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH OF "ELASTOMERIC BEARING PADS."

APPROVED BY BRIDGE ENGINEER	<i>Robert J. Rusch</i>	DATE	10/16/06
OKLAHOMA DEPARTMENT OF TRANSPORTATION COUNTY BRIDGE STANDARD (ENGLISH)			
SUPERSTRUCTURE QUANTITIES P.C. BEAMS (SHEET NO. 2 OF 2)			
26' CLEAR ROADWAY - INTEGRAL - SKEWED 0°			
1999 STANDARD SPECIFICATIONS	CB26-I-SKO-SPR-QUAN-PCB-2	OOE	CB-516E