SUMMARY OF QUANTITIES - SUPERSTRUCTURE (PER SPAN)

		STANDARD PIER TO STANDARD PIER								STANDARD PIER TO STEPPED PIER								STEPPED PIER TO STEPPED PIER							
SPAN	PRESTRESSED CONCRETE BEAM TYPE	PRESTRESSED CONCRETE BEAMS (TYPE ①) (LF)	SAW-CUT GROOVING (SY)	CONCRETE RAIL (TR3) (LF)	STRUCTURAL STEEL (LB)	WEATHERING STEEL EXPANSION BEARING ASSEMBLY ② (EA)	ELASTOMERIC BEARING PADS ③ (EA)	CLASS AA CONCRETE (CY)	REINFORCING STEEL ④ (LB)	PRESTRESSED CONCRETE BEAMS (TYPE ①) (LF)	SAW-CUT GROOVING (SY)	CONCRETE RAIL (TR3) (LF)	STRUCTURAL STEEL (LB)	WEATHERING STEEL EXPANSION BEARING ASSEMBLY ② (EA)	ELASTOMERIC BEARING PADS ③ (EA)	CLASS AA CONCRETE (CY)	REINFORCING STEEL ④ (LB)	PRESTRESSED CONCRETE BEAMS (TYPE ①) (LF)	SAW-CUT GROOVING (SY)	CONCRETE RAIL (TR3) (LF)	STRUCTURAL STEEL (LB)	WEATHERING STEEL EXPANSION BEARING ASSEMBLY ② (EA)	ELASTOMERIC BEARING PADS ③ (EA)	CLASS AA CONCRETE (CY)	REINFORCING STEEL ④ (LB)
30'	II	118.67	87.2	60.0	370	8	8	29.3	9,930	118.67	88.2	60.7	370	8	8	29.5	9,960	118.67	89.2	61.4	370	8	8	29.8	9,990
	B	118.67	87.2	60.0	370	8	8	29.1	9,910	118.67	88.2	60.7	370	8	8	29.3	9,940	118.67	89.2	61.4	370	8	8	29.6	9,980
35'	II	138.67	102.7	70.0	370	8	8	33.6	10,760	138.67	103.8	70.7	370	8	8	33.9	10,800	138.67	104.8	71.4	370	8	8	34.2	10,830
	B	138.67	102.7	70.0	370	8	8	33.4	10,750	138.67	103.8	70.7	370	8	8	33.7	10,790	138.67	104.8	71.4	370	8	8	34.0	10,820
40'	II	158.67	118.3	80.0	370	8	8	38.0	11,760	158.67	119.3	80.7	370	8	8	38.3	11,790	158.67	120.3	81.4	370	8	8	38.5	11,830
	B	158.67	118.3	80.0	370	8	8	37.8	11,750	158.67	119.3	80.7	370	8	8	38.1	11,780	158.67	120.3	81.4	370	8	8	38.4	11,810
45'	II	178.67	133.8	90.0	370	8	8	42.3	12,600	178.67	134.9	90.7	370	8	8	42.6	12,630	178.67	135.9	91.4	370	8	8	42.9	12,660
	B	178.67	133.8	90.0	370	8	8	42.1	12,590	178.67	134.9	90.7	370	8	8	42.4	12,620	178.67	135.9	91.4	370	8	8	42.7	12,650
50'	II	198.67	149.4	100.0	370	8	8	46.7	13,670	198.67	150.4	100.7	370	8	8	47.0	13,700	198.67	151.5	101.4	370	8	8	47.3	13,730
	B	198.67	149.4	100.0	370	8	8	46.5	13,660	198.67	150.4	100.7	370	8	8	46.8	13,690	198.67	151.5	101.4	370	8	8	47.1	13,720
55'	II	218.67	164.9	110.0	370	8	8	51.1	14,510	218.67	166.0	110.7	370	8	8	51.3	14,540	218.67	167.0	111.4	370	8	8	51.6	14,570
	B	218.67	164.9	110.0	370	8	8	50.9	14,490	218.67	166.0	110.7	370	8	8	51.1	14,530	218.67	167.0	111.4	370	8	8	51.4	14,560
60'	II	238.67	180.5	120.0	370	8	8	55.4	15,500	238.67	181.5	120.7	370	8	8	55.7	15,530	238.67	182.6	121.4	370	8	8	56.0	15,570
	C	238.67	180.5	120.0	370	8	8	55.9	15,730	238.67	181.5	120.7	370	8	8	56.2	15,760	238.67	182.6	121.4	370	8	8	56.5	15,800
65'	II	258.67	196.0	130.0	370	8	8	60.8	16,380	258.67	197.1	130.7	370	8	8	61.1	16,380	258.67	198.1	131.4	370	8	8	61.3	16,410
	C	258.67	196.0	130.0	370	8	8	60.3	16,570	258.67	197.1	130.7	370	8	8	60.6	16,600	258.67	198.1	131.4	370	8	8	60.9	16,630
70'	III	278.67	211.6	140.0	370	8	8	65.4	17,670	278.67	212.6	140.7	370	8	8	65.7	17,700	278.67	213.7	141.4	370	8	8	66.0	17,730
	C	278.67	211.6	140.0	370	8	8	64.7	17,640	278.67	212.6	140.7	370	8	8	65.0	17,670	278.67	213.7	141.4	370	8	8	65.2	17,700
75'	III	298.67	227.2	150.0	370	8	8	69.8	18,500	298.67	228.2	150.7	370	8	8	70.1	18,540	298.67	229.2	151.4	370	8	8	70.4	18,570
	C	298.67	227.2	150.0	370	8	8	69.1	18,480	298.67	228.2	150.7	370	8	8	69.3	18,510	298.67	229.2	151.4	370	8	8	69.6	18,540
80'	III	318.67	242.7	160.0	370	8	8	74.2	19,500	318.67	243.8	160.7	370	8	8	74.5	19,530	318.67	244.8	161.4	370	8	8	74.8	19,570
	C	318.67	242.7	160.0	370	8	8	73.5	19,470	318.67	243.8	160.7	370	8	8	73.7	19,500	318.67	244.8	161.4	370	8	8	74.0	19,540
85'	III	338.67	258.3	170.0	370	8	8	78.6	20,340	338.67	259.3	170.7	370	8	8	78.9	20,370	338.67	260.3	171.4	370	8	8	79.2	20,400
	IV	338.67	258.3	170.0	370	8	8	80.1	20,860	338.67	259.3	170.7	370	8	8	80.4	20,890	338.67	260.3	171.4	370	8	8	80.7	20,920
90'	III	358.67	273.8	180.0	370	8	8	83.0	21,330	358.67	274.9	180.7	370	8	8	83.3	21,370	358.67	275.9	181.4	370	8	8	83.6	21,400
	IV	358.67	273.8	180.0	370	8	8	84.6	21,860	358.67	274.9	180.7	370	8	8	84.9	21,890	358.67	275.9	181.4	370	8	8	85.2	21,920
95'	IV	378.67	289.4	190.0	370	8	8	89.0	22,690	378.67	290.4	190.7	370	8	8	89.3	22,730	378.67	291.5	191.4	370	8	8	89.6	22,760
100'	IV	398.67	304.9	200.0	370	8	8	93.5	23,690	398.67	306.0	200.7	370	8	8	93.8	23,720	398.67	307.0	201.4	370	8	8	94.1	23,760
105'	IV	418.67	320.5	210.0	500	8	8	99.4	24,710	418.67	321.5	210.7	500	8	8	99.7	24,750	418.67	322.6	211.4	500	8	8	100.0	24,780
110'	IV	438.67	336.0	220.0	500	8	8	103.9	25,780	438.67	337.1	220.7	500	8	8	104.2	25,810	438.67	338.1	221.4	500	8	8	104.4	25,850
115'	IV	458.67	351.6	230.0	500	8	8	108.3	26,620	458.67	352.6	230.7	500	8	8	108.6	26,650	458.67	353.7	231.4	500	8	8	108.9	26,690
120'	BT-72	478.67	367.2	240.0	980	8	8	126.4	29,010	478.67	368.2	240.7	980	8	8	126.7	29,040	478.67	369.2	241.4	980	8	8	126.9	29,080
	J	478.67	367.2	240.0	980	8	8	126.4	29,010	478.67	368.2	240.7	980	8	8	126.7	29,040	478.67	369.2	241.4	980	8	8	126.9	29,080
125'	BT-72	498.67	382.7	250.0	980	8	8	131.1	29,850	498.67	383.8	250.7	980	8	8	131.4	29,880	498.67	384.8	251.4	980	8	8	131.7	29,910
	J	498.67	382.7	250.0	980	8	8	131.1	29,850	498.67	383.8	250.7	980	8	8	131.4	29,880	498.67	384.8	251.4	980	8	8	131.7	29,910
130'	BT-72	518.67	398.3	260.0	980	8	8	135.8	30,840	518.67	399.3	260.7	980	8	8	136.1	30,880	518.67	400.3	261.4	980	8	8	136.4	30,910
	J	518.67	398.3	260.0	980	8	8	135.8	30,840	518.67	399.3	260.7	980	8	8	136.1	30,880	518.67	400.3	261.4	980	8	8	136.4	30,910
135'	J	538.67	413.8	270.0	980	8	8	140.6	31,680	538.67	414.9	270.7	980	8	8	140.9	31,720	538.67	415.9	271.4	980	8	8	141.1	31,750
140'	J	558.67	429.4	280.0	980	8	8	145.3	32,680	558.67	430.4	280.7	980	8	8	145.6	32,710	558.67	431.5	281.4	980	8	8	145.9	32,740
145'	J	578.67	444.9	290.0	980	8	8	150.0	33,520	578.67	446.0	290.7	980	8	8	150.3	33,550	578.67	447.0	291.4	980	8	8	150.6	33,580

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 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 "WEATHERING STEEL EXPANSION BEARING ASSEMBLY."

③ 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."

④ 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 145' SPANS - 2 LAP SPLICES
LAP SPLICES ACCOUNT FOR ADJACENT SPAN COMBINATIONS AND ARE APPROXIMATE. PAYMENT FOR "REINFORCING STEEL" WILL BE BASED ON PLAN QUANTITY.

APPROVED BY BRIDGE ENGINEER Robert J. Rusch DATE 9-9-2011

OKLAHOMA DEPARTMENT OF TRANSPORTATION
COUNTY BRIDGE STANDARD (ENGLISH)

SUPERSTRUCTURE QUANTITIES
P.C. BEAMS
(SHEET NO. 2 OF 2)

32' CLEAR ROADWAY - INTEGRAL - SKEWED 0°

2009 SPECIFICATIONS | CB32-I-SKO-SPR-QUAN-PCB-2 | 01E

CB-899E