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)	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	89.00	68.5	60.0	280	6	6	23.5	8,440	89.00	69.3	60.7	280	6	6	23.7	8,470	89.00	70.1	61.4	280	6	6	23.9	8,500
	B	89.00	68.5	60.0	290	6	6	23.3	8,430	89.00	69.3	60.7	290	6	6	23.6	8,460	89.00	70.1	61.4	290	6	6	23.8	8,490
35'	II	104.00	80.7	70.0	280	6	6	27.0	9,190	104.00	81.5	70.7	280	6	6	27.2	9,220	104.00	82.3	71.4	280	6	6	27.5	9,240
	B	104.00	80.7	70.0	290	6	6	26.9	9,180	104.00	81.5	70.7	290	6	6	27.1	9,210	104.00	82.3	71.4	290	6	6	27.3	9,230
40'	II	119.00	92.9	80.0	280	6	6	30.5	10,090	119.00	93.8	80.7	280	6	6	30.8	10,120	119.00	94.6	81.4	280	6	6	31.0	10,150
	B	119.00	92.9	80.0	290	6	6	30.4	10,080	119.00	93.8	80.7	290	6	6	30.6	10,110	119.00	94.6	81.4	290	6	6	30.8	10,140
45'	II	134.00	105.2	90.0	280	6	6	34.1	10,840	134.00	106.0	90.7	280	6	6	34.3	10,870	134.00	106.8	91.4	280	6	6	34.5	10,900
	B	134.00	105.2	90.0	290	6	6	33.9	10,830	134.00	106.0	90.7	290	6	6	34.1	10,860	134.00	106.8	91.4	290	6	6	34.4	10,890
50'	II	149.00	117.4	100.0	280	6	6	37.6	11,810	149.00	118.2	100.7	280	6	6	37.8	11,830	149.00	119.0	101.4	280	6	6	38.0	11,860
	B	149.00	117.4	100.0	290	6	6	37.4	11,800	149.00	118.2	100.7	290	6	6	37.7	11,820	149.00	119.0	101.4	290	6	6	37.9	11,850
55'	II	164.00	129.6	110.0	280	6	6	41.1	12,550	164.00	130.4	110.7	280	6	6	41.3	12,580	164.00	131.2	111.4	280	6	6	41.6	12,610
	B	164.00	129.6	110.0	290	6	6	41.0	12,550	164.00	130.4	110.7	290	6	6	41.2	12,580	164.00	131.2	111.4	290	6	6	41.4	12,600
60'	II	179.00	141.8	120.0	280	6	6	44.6	13,460	179.00	142.6	120.7	280	6	6	44.9	13,490	179.00	143.5	121.4	280	6	6	45.1	13,520
	C	179.00	141.8	120.0	290	6	6	45.0	13,670	179.00	142.6	120.7	290	6	6	45.2	13,700	179.00	143.5	121.4	290	6	6	45.5	13,730
65'	III	194.00	154.0	130.0	290	6	6	49.1	14,440	194.00	154.9	130.7	290	6	6	49.3	14,470	194.00	155.7	131.4	290	6	6	49.5	14,500
	C	194.00	154.0	130.0	290	6	6	48.5	14,420	194.00	154.9	130.7	290	6	6	48.8	14,450	194.00	155.7	131.4	290	6	6	49.0	14,480
70'	III	209.00	166.3	140.0	290	6	6	52.6	15,410	209.00	167.1	140.7	290	6	6	52.8	15,430	209.00	167.9	141.4	290	6	6	53.1	15,460
	C	209.00	166.3	140.0	290	6	6	52.1	15,390	209.00	167.1	140.7	290	6	6	52.3	15,410	209.00	167.9	141.4	290	6	6	52.5	15,440
75'	III	224.00	178.5	150.0	290	6	6	56.2	16,150	224.00	179.3	150.7	290	6	6	56.4	16,180	224.00	180.1	151.4	290	6	6	56.6	16,210
	C	224.00	178.5	150.0	290	6	6	55.6	16,130	224.00	179.3	150.7	290	6	6	55.9	16,160	224.00	180.1	151.4	290	6	6	56.1	16,190
80'	III	239.00	190.7	160.0	290	6	6	59.7	17,060	239.00	191.5	160.7	290	6	6	60.0	17,090	239.00	192.3	161.4	290	6	6	60.2	17,120
	IV	239.00	190.7	160.0	290	6	6	60.8	17,550	239.00	191.5	160.7	290	6	6	61.1	17,580	239.00	192.3	161.4	290	6	6	61.3	17,610
85'	III	254.00	202.9	170.0	290	6	6	63.3	17,810	254.00	203.8	170.7	290	6	6	63.5	17,840	254.00	204.6	171.4	290	6	6	63.7	17,860
	IV	254.00	202.9	170.0	290	6	6	64.4	18,300	254.00	203.8	170.7	290	6	6	64.7	18,330	254.00	204.6	171.4	290	6	6	64.9	18,350
90'	IV	269.00	215.2	180.0	290	6	6	68.0	19,200	269.00	216.0	180.7	290	6	6	68.3	19,230	269.00	216.8	181.4	290	6	6	68.5	19,260
95'	IV	284.00	227.4	190.0	290	6	6	71.6	19,950	284.00	228.2	190.7	290	6	6	71.9	19,980	284.00	229.0	191.4	290	6	6	72.1	20,010
100'	IV	299.00	239.6	200.0	290	6	6	75.2	20,860	299.00	240.4	200.7	290	6	6	75.5	20,890	299.00	241.2	201.4	290	6	6	75.7	20,920
105'	IV	314.00	251.8	210.0	380	6	6	79.9	21,740	314.00	252.6	210.7	380	6	6	80.2	21,770	314.00	253.5	211.4	380	6	6	80.4	21,800
110'	BT-72	329.00	264.0	220.0	750	6	6	93.3	23,840	329.00	264.9	220.7	750	6	6	93.5	23,860	329.00	265.7	221.4	750	6	6	93.8	23,890
	J	329.00	264.0	220.0	750	6	6	93.3	23,840	329.00	264.9	220.7	750	6	6	93.5	23,860	329.00	265.7	221.4	750	6	6	93.8	23,890
115'	BT-72	344.00	276.3	230.0	750	6	6	97.1	24,580	344.00	277.1	230.7	750	6	6	97.3	24,610	344.00	277.9	231.4	750	6	6	97.6	24,640
	J	344.00	276.3	230.0	750	6	6	97.1	24,580	344.00	277.1	230.7	750	6	6	97.3	24,610	344.00	277.9	231.4	750	6	6	97.6	24,640
120'	BT-72	359.00	288.5	240.0	750	6	6	100.9	25,490	359.00	289.3	240.7	750	6	6	101.1	25,520	359.00	290.1	241.4	750	6	6	101.4	25,550
	J	359.00	288.5	240.0	750	6	6	100.9	25,490	359.00	289.3	240.7	750	6	6	101.1	25,520	359.00	290.1	241.4	750	6	6	101.4	25,550
125'	J	374.00	300.7	250.0	750	6	6	104.7	26,240	374.00	301.5	250.7	750	6	6	104.9	26,270	374.00	302.3	251.4	750	6	6	105.2	26,290
130'	J	389.00	312.9	260.0	750	6	6	108.5	27,140	389.00	313.8	260.7	750	6	6	108.7	27,170	389.00	314.6	261.4	750	6	6	109.0	27,200
135'	J	404.00	325.2	270.0	750	6	6	112.3	27,890	404.00	326.0	270.7	750	6	6	112.5	27,920	404.00	326.8	271.4	750	6	6	112.8	27,950

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 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.

APPROVED BY BRIDGE ENGINEER [signature] DATE 9-9-2011

OKLAHOMA DEPARTMENT OF TRANSPORTATION
COUNTY BRIDGE STANDARD (ENGLISH)

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

26' CLEAR ROADWAY - INTEGRAL - SKEWED 0°

2009 SPECIFICATIONS | CB26-I-SKO-SPR-QUAN-PCB-2 | 01E

CB-516E