	SUMMARY OF QUANTITIES - SUPERSTRUCTURE (PER SPAN)													7									
	ABUTMENT TO ABUTMENT						ABUTMENT TO STANDARD PIER								ABUTMENT TO STEPPED PIER							1	
SPAN	SAW-CUT GROOVING	CONCRETE RAIL (TR3)	STRUCTURAL STEEL 1	WEATHERING STEEL FIXED BEARING ASSEMBLY	CLASS AA CONCRETE	REINFORCING STEEL 5	SAW-CUT GROOVING	CONCRETE RAIL (TR3)	STRUCTURAL STEEL 1	WEATHERING STEEL FIXED BEARING ASSEMBLY	WEATHERING STEEL EXPANSION BEARING ASSEMBLY	ELASTOMERIC BEARING PADS	CLASS AA CONCRETE	REINFORCING STEEL 6	SAW-CUT GROOVING	CONCRETE RAIL (TR3)	STRUCTURAL STEEL 1	WEATHERING STEEL FIXED BEARING ASSEMBLY	WEATHERING STEEL EXPANSION BEARING ASSEMBLY	ELASTOMERIC BEARING PADS 4	CLASS AA CONCRETE	REINFORCING STEEL 6	
	(SY)	(LF)	(LB)	(EA)	(CY)	(LB)	(SY)	(LF)	(LB)	(EA)	(EA)	(EA)	(CY)	(LB)	(SY)	(LF)	(LB)	(EA)	(EA)	(EA)	(CY)	(LB)	╛
30'	74.6	63.0	8,580	6	37.5	6,010	71.5	61.5	9,280	3	3	3	29.3	7,460	72.4	62.2	9,280	3	3	3	29.6	7,480	_
35'	86.8	73.0	10,640	6	41.1	6,760	83.8	71.5	11,350	3	3	3	32.9	8,210	84.6	72.2	11,350	3	3	3	33.1	8,240	4
40'	99.0	83.0	12,710	6	44.6	7,660	96.0	81.5	13,410	3	3	3	36.4	9,110	96.8	82.2	13,410	3	3	3	36.6	9,140	4
45	111.3	93.0	15,440	6	48.7	8,410	108.2	91.5	16,130	3	3	3	40.2	9,860	109.0	92.2	16,130	3	3	3	40.4	9,890	4
50'	123.5	103.0	18,390	6	52.8	9,310	120.4	101.5	19,070	3	3	3	44.0	10,830	121.3	102.2	19,070	3	3	3	44.3	10,850	4
55'	135.7	113.0	22,630	6	59.4	10,260	132.7	111.5	23,340	3	3	3	49.1	11,770	133.5	112.2	23,340	3	3	3	49.3	11,800	_
60'	147.9	123.0	27,550	6	63.5	11,290	144.9	121.5	28,280	3	3	3	52.9	12,680	145.7	122.2	28,280	3	3	3	53.2	12,700	_
65	160.2	133.0	32,550	6	67.5	12,040	157.1	131.5	33,280	3	3	3	56.7	13,430	157.9	132.2	33,280	3	3	3	56.9	13,460	_
70'	172.4	143.0	36,970	6	71.1	12,940	169.3	141.5	37,700	3	3	3	60.2	14,390	170.1	142.2	37,700	3	3	3	60.5	14,420	_
751	184.6	153.0	44,650	6	75.2	13,690	181.5	151.5	45,430	3	3	3	64.0	15,140	182.4	152.2	45,430	3	3	3	64.3	15,170	
80'	196.8	163.0	52,440	6	79.0	14,590	193.8	161.5	53,230	3	3	3	67.8	16,050	194.6	162.2	53,230	3	3	3	68.1	16,070	
85'	209.0	173.0	59,560	6	82.4	15,350	206.0	171.5	60,340	3	3	3	71.3	16,790	206.8	172.2	60,340	3	3	3	71.6	16,820	
90	221.3	183.0	72,000	6	86.0	16,250	218.2	181.5	72,780	3	3	3	74.9	17,700	219.0	182.2	72,780	3	3	3	75.1	17,730	
95	233.5	193.0	83,680	6	89.6	17,000	230.4	191.5	84,460	3	3	3	78.4	18,450	231.3	192.2	84,460	3	3	3	78.7	18,480	
100'	245.7	203.0	87,900	6	93.2	17,900	242.7	201.5	88,680	3	3	3	82.0	19,350	243.5	202.2	88,680	3	3	3	82.2	19,380	╛

	SUMMARY OF QUANTITIES - SUPERSTRUCTURE (PER SPAN)																				
	STANDARD PIER TO STANDARD PIER							STANDARD PIER TO STEPPED PIER						STEPPED PIER TO STEPPED PIER							
SPAN	SAW-CUT GROOVING	CONCRETE RAIL (TR3)	STRUCTURAL STEEL	WEATHERING STEEL EXPANSION BEARING ASSEMBLY	ELASTOMERIC BEARING PADS 4	CLASS AA CONCRETE	REINFORCING STEEL 6	SAW-CUT GROOVING	CONCRETE RAIL (TR3)	STRUCTURAL STEEL	WEATHERING STEEL EXPANSION BEARING ASSEMBLY	ELASTOMERIC BEARING PADS	CLASS AA CONCRETE	REINFORCING STEEL 6	SAW-CUT GROOVING	CONCRETE RAIL (TR3)	STRUCTURAL STEEL	WEATHERING STEEL EXPANSION BEARING ASSEMBLY	ELASTOMERIC BEARING PADS	CLASS AA CONCRETE	REINFORCING STEEL 6
	(SY)	(LF)	(LB)	(EA)	(EA)	(CY)	(LB)	(SY)	(LF)	(LB)	(EA)	(EA)	(CY)	(LB)	(SY)	(LF)	(LB)	(EA)	(EA)	(CY)	(LB)
30.	68.5	60.0	9,990	6	6	21.1	8,850	69.3	60.7	9,990	6	6	21.4	8,870	70.1	61.4	9,990	6	6	21.6	8,900
35	80.7	70.0	12,050	6	6	24.7	9,590	81.5	70.7	12,050	6	6	24.9	9,620	82.3	71.4	12,050	6	6	25.1	9,650
40'	92.9	80.0	14,120	6	6	28.2	10,500	93.8	80.7	14,120	6	6	28.4	10,530	94.6	81.4	14,120	6	6	28.7	10,560
45	105.2	90.0	16,820	6	6	31.7	11,250	106.0	90.7	16,820	6	6	31.9	11,280	106.8	91.4	16,820	6	6	32.2	11,300
50'	117.4	100.0	19,750	6	6	35.2	12,210	118.2	100.7	19,750	6	6	35.5	12,240	119.0	101.4	19,750	6	6	35.7	12,270
55"	129.6	110.0	24,060	6	6	38.8	13,160	130.4	110.7	24,060	6	6	39.0	13,190	131.2	111.4	24,060	6	6	39.2	13,220
60.	141.8	120.0	29,020	6	6	42.3	14,070	142.6	120.7	29,020	6	6	42.6	14,090	143.5	121.4	29,020	6	6	42.8	14,120
65	154.0	130.0	34,010	6	6	45.9	14,810	154.9	130.7	34,010	6	6	46.1	14,840	155.7	131.4	34,010	6	6	46.3	14,870
70'	166.3	140.0	38,430	6	6	49.4	15,780	167.1	140.7	38,430	6	6	49.6	15,810	167.9	141.4	38,430	6	6	49.8	15,840
75'	178.5	150.0	46,220	6	6	52.9	16,530	179.3	150.7	46,220	6	6	53.1	16,560	180.1	151.4	46,210	6	6	53.4	16,580
80'	190.7	160.0	54,010	6	6	56.7	17,430	191.5	160.7	54,010	6	6	56.9	17,460	192.3	161.4	53,990	6	6	57.1	17,490
85'	202.9	170.0	61,130	6	6	60.2	18,180	203.8	170.7	61,130	6	6	60.4	18,210	204.6	171.4	61,110	6	6	60.7	18,240
90,	215.2	180.0	73,550	6	6	63.7	19,090	216.0	180.7	73,550	6	6	64.0	19,110	216.8	181.4	73,530	6	6	64.2	19,150
95'	227.4	190.0	85,230	6	6	67.3	19,840	228.2	190.7	85,230	6	6	67.5	19,870	229.0	191.4	85,210	6	6	67.7	19,890
100	239.6	200.0	89,460	6	6	70.8	20,740	240.4	200.7	89,460	6	6	71.0	20,770	241.2	201.4	89,440	6	6	71.3	20,800

SPAN WEATHERING STEEL STEEL FIXED BEARING ASSEMBLY (LB) (LB)	SUMMARY OF QUANTITIES BEARING ASSEMBLY STRUCTURAL STEEL (PER EACH ASSEMBLY)											
75' 80 160 80' 80 150 85' THRU 95' 80 160	SPAN	STEEL FIXED BEARING ASSEMBLY	STEEL EXPANSION BEARING ASSEMBLY									
80° 80 150 85° THRU 95° 80 160	30' THRU 70'	80	150									
85' THRU 95' 80 160	75'	80	160									
	80'	80	150									
100' 80 170	85' THRU 95'	80	160									
100 00 170	100'	80	170									

- QUANTITIES SHOWN INCLUDE WEIGHT OF STEEL ANGLE BUMPERS AT ABUTMENT ENDS OF DECK SLAB. FOR EACH STEEL ANGLE BUMPER OMITTED FROM END OF DECK SLAB, DEDUCT 110 POUNDS FROM THE QUANTITIES SHOWN.
- ② AT THE ABUTMENTS, PROVIDE AND INSTALL FIXED 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 BEARING ASSEMBLY. ALL COST OF PROVIDING AND INSTALLING THE FIXED BEARING ASSEMBLIES INCLUDING THE COST OF ANCHOR PLATES, ANCHOR BARS, MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH OF "WEATHERING STEEL FIXED BEARING ASSEMBLY." BEARING ASSEMBLY."
- 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, 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."
- 4) PROVIDE AND INSTALL ELASTOMERIC BEARING PADS
 BETWEEN THE TOP SURFACE OF THE ROLLED 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."
- (5) QUANTITY INCLUDES PROVISION FOR LAP SPLICES REQUIRED IN THE LONGITUDINAL REINFORCING STEEL AS FOLLOWS: 30' THRU 55' SPANS NO LAP SPLICES 60' THRU 100' SPANS 1 LAP SPLICE
- (6) 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 100' SPANS 11/2 LAP SPLICES
 LAP SPLICES ACCOUNT FOR ADJACENT SPAN COMBINATIONS
 AND ARE APPROXIMATE. PAYMENT FOR "REINFORCING
 STEEL" WHILL BE RASED ON PLAN QUANTITY STEEL" WILL BE BASED ON PLAN QUANTITY.

PROVED BY BRIDGE ENGINEER LOCALT & durch

OKLAHOMA DEPARTMENT OF TRANSPORTATION COUNTY BRIDGE STANDARD (ENGLISH)

SUPERSTRUCTURE QUANTITIES ROLLED BEAMS

26' CLEAR ROADWAY - INTEGRAL - SKEWED O'

DATE **9-9-2011**