

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	ABUTMENT TO FIXED PIER						ABUTMENT TO EXPANSION PIER								
				EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PU) FIXED BEARING ASSEMBLY (EACH)	(PU) EXPANSION BEARING ASSEMBLY (EACH)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PU) FIXED BEARING ASSEMBLY (EACH)	(PU) EXPANSION BEARING ASSEMBLY (EACH)
				TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS		
30'	61.7	15,490	34.5	7,860	8,030	55	54	4	4	61.5	15,490	34.6	7,870	8,070	55	54	4	4
35'	71.7	18,300	39.9	8,950	9,230	64	62	4	4	71.5	18,300	40.0	9,080	9,280	64	62	4	4
40'	81.7	21,630	45.3	10,160	10,430	73	71	4	4	81.5	21,630	45.4	10,170	10,480	73	71	4	4
45'	91.7	26,750	50.7	11,250	11,640	83	80	4	4	91.5	26,750	50.7	11,380	11,680	82	80	4	4
50'	101.7	31,990	56.1	12,540	12,920	91	88	4	4	101.5	31,990	56.2	12,480	12,880	91	88	4	4
55'	111.7	37,520	61.6	13,630	14,120	100	96	4	4	111.5	37,520	61.6	13,850	14,250	100	96	4	4
60'	121.7	43,890	67.0	14,850	15,320	109	105	4	4	121.5	43,890	67.0	14,940	15,450	109	105	4	4
65'	131.7	51,740	72.3	15,940	16,520	118	114	4	4	131.5	51,740	72.4	16,150	16,650	118	114	4	4
70'	141.7	59,630	77.7	17,230	17,810	127	123	4	4	141.5	59,630	77.8	17,240	17,850	127	123	4	4
75'	151.7	68,320	83.4	18,320	19,010	134	129	4	4	151.5	68,320	83.5	18,450	19,060	133	129	4	4
80'	161.7	79,140	88.8	19,530	20,210	142	137	4	4	161.5	79,140	88.9	19,540	20,260	143	137	4	4
85'	171.7	95,040	94.3	20,620	21,410	151	146	4	4	171.5	95,040	94.3	20,750	21,460	151	146	4	4
90'	181.7	110,150	99.7	21,830	22,620	160	154	4	4	181.5	110,150	99.7	21,840	22,660	160	154	4	4
95'	191.7	123,340	105.1	22,920	23,820	169	163	4	4	191.5	123,340	105.1	23,060	23,860	169	163	4	4
100'	201.7	140,130	110.5	24,130	25,020	178	171	4	4	201.5	140,130	110.6	24,150	25,070	178	171	4	4

**BEARING ASSEMBLY
STRUCTURAL STEEL QUANTITIES
PER SPAN**

SPAN	FIXED BEARING TO FIXED BEARING	FIXED BEARING TO EXPANSION BEARING	
	FIXED BEARING ASSEMBLIES (LB.)	FIXED BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)
30'	1,260	630	630
35'	1,260	630	630
40'	1,400	700	700
45'	1,420	710	710
50'	1,440	720	720
55'	1,500	750	750
60'	1,560	780	780
65'	1,560	780	780
70'	1,580	790	790
75'	1,540	770	770
80'	1,540	770	770
85'	1,540	770	770
90'	1,540	770	770
95'	1,540	770	770
100'	1,540	770	770

① Quantity includes provision for laps required in longitudinal reinforcing as follows:
30' thru 45' Spans - 1/2 lpp
50' thru 65' Spans - 1 lpp
70' thru 100' Spans - 1 1/2 lpps
Laps account for adjacent span combinations and are approximate. Poy quantity will be as shown on the plans.

② Quantity includes provision for laps required in longitudinal reinforcing as follows:
55' thru 100' Spans - 1 lpp

③ Provide and install Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of structural steel per span per Bearing Assembly type. Include all costs associated with providing and installing the Elastomeric Pads, Anchor Plates, Contact Plates, Contact Angles and Anchor Bolts, Nuts and Washers, including all material, labor, equipment and incidentals necessary to complete the work shown in the plans in the contract unit price of FIXED BEARING ASSEMBLIES or EXPANSION BEARING ASSEMBLIES as applicable.

APPROVED BY BRIDGE ENGINEER *Clayton Head* DATE *8/18/09*

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
SUPERSTRUCTURE QUANTITIES
ROLLED BEAMS
CONVENTIONAL
(SHEET 1 OF 2)