

SUPERSTRUCTURE QUANTITIES PER SPAN																				
SPAN	ABUTMENT TO FIXED PIER										ABUTMENT TO EXPANSION PIER									
	SAW-CUT GROOVING (S.Y.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED BEARING ASSEMBLY (EACH) ③	FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③	SAW-CUT GROOVING (S.Y.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.) ②		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED BEARING ASSEMBLY (EACH) ③	EXPANSION BEARING ASSEMBLY (EACH) ③
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS							TR4 W/ OPENINGS	TR4 W/O OPENINGS				
30'	137.0	61.7	15,490	34.5	7,860	8,030	55	54	4	4	137.0	61.7	15,490	34.6	7,870	8,070	55	54	4	4
35'	159.3	71.7	18,300	39.9	8,950	9,230	64	62	4	4	159.3	71.7	18,300	40.0	9,080	9,280	64	62	4	4
40'	181.5	81.7	21,630	45.3	10,160	10,430	73	71	4	4	181.5	81.7	21,630	45.4	10,170	10,480	73	71	4	4
45'	203.7	91.7	26,750	50.7	11,250	11,640	83	80	4	4	203.7	91.7	26,750	50.7	11,380	11,680	82	80	4	4
50'	225.9	101.7	31,990	56.1	12,540	12,920	91	88	4	4	225.9	101.7	31,990	56.2	12,480	12,880	91	88	4	4
55'	248.1	111.7	37,520	61.6	13,630	14,120	100	96	4	4	248.1	111.7	37,520	61.6	13,850	14,250	100	96	4	4
60'	270.4	121.7	43,890	67.0	14,850	15,320	109	105	4	4	270.4	121.7	43,890	67.0	14,940	15,450	109	105	4	4
65'	292.6	131.7	51,740	72.3	15,940	16,520	118	114	4	4	292.6	131.7	51,740	72.4	16,150	16,650	118	114	4	4
70'	314.8	141.7	59,630	77.7	17,230	17,810	127	123	4	4	314.8	141.7	59,630	77.8	17,240	17,850	127	123	4	4
75'	337.0	151.7	68,320	83.4	18,320	19,010	134	129	4	4	337.0	151.7	68,320	83.5	18,450	19,060	133	129	4	4
80'	359.3	161.7	79,140	88.8	19,530	20,210	142	137	4	4	359.3	161.7	79,140	88.9	19,540	20,260	143	137	4	4
85'	381.5	171.7	95,040	94.3	20,620	21,410	151	146	4	4	381.5	171.7	95,040	94.3	20,750	21,460	151	146	4	4
90'	403.7	181.7	110,150	99.7	21,830	22,620	160	154	4	4	403.7	181.7	110,150	99.7	21,840	22,660	160	154	4	4
95'	425.9	191.7	123,340	105.1	22,920	23,820	169	163	4	4	425.9	191.7	123,340	105.1	23,060	23,860	169	163	4	4
100'	448.1	201.7	140,130	110.5	24,130	25,020	178	171	4	4	448.1	201.7	140,130	110.6	24,150	25,070	178	171	4	4

BEARING ASSEMBLY STAINLESS 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'-50'	1,370	680	710
55'-100'	1,460	730	730

① Quantity includes provision for laps required in longitudinal reinforcing as follows:
 30' thru 45' Spans - 1/2 lap
 50' thru 65' Spans - 1 lap
 70' thru 100' Spans - 1 1/2 laps
 Laps account for adjacent span combinations and are approximate. The Department will not pay for additional quantities of reinforcing steel in excess of the quantities shown in the plans.

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

③ Provide and install Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of stainless 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 *Scott J. Smith* DATE *9/2/10*

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

2009 SPECIFICATIONS | B40-C-SPR-QUAN-RB-1 | 01E | B-412E