

**SUPERSTRUCTURE QUANTITIES PER SPAN**

SPAN	ABUTMENT TO FIXED PIER						ABUTMENT TO EXPANSION PIER													
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH)	FIXED OR EXPANSION BEARING ASSEMBLY (EACH)	PRESTRESSED CONCRETE BEAMS (TYPE IV) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH)	(PL) EXPANSION BEARING ASSEMBLY (EACH)
					TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS							TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS		
65'	259	131.7	450	80.7	16,950	17,530	230	226	4	4	259	131.5	450	80.6	17,140	17,640	230	226	4	4
70'	279	141.7	450	86.3	18,260	18,840	248	244	4	4	279	141.5	450	86.2	18,260	18,870	248	244	4	4
75'	299	151.7	450	92.0	19,370	20,060	266	261	4	4	299	151.5	450	91.9	19,490	20,090	265	261	4	4
80'	319	161.7	450	97.6	20,610	21,290	283	278	4	4	319	161.5	450	97.5	20,600	21,320	283	278	4	4
85'	339	171.7	450	103.2	21,720	22,510	301	296	4	4	339	171.5	450	103.1	21,840	22,540	301	296	4	4
90'	359	181.7	450	108.9	22,950	23,740	318	313	4	4	359	181.5	450	108.8	22,950	23,770	319	313	4	4
95'	379	191.7	450	114.5	24,070	24,960	337	330	4	4	379	191.5	450	114.4	24,180	24,990	336	330	4	4
100'	399	201.7	450	120.1	25,300	26,190	354	348	4	4	399	201.5	450	120.0	25,300	26,220	354	348	4	4

**SUPERSTRUCTURE QUANTITIES PER SPAN**

SPAN	FIXED PIER TO FIXED PIER						FIXED PIER TO EXPANSION PIER													
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH)	FIXED OR EXPANSION BEARING ASSEMBLY (EACH)	PRESTRESSED CONCRETE BEAMS (TYPE IV) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) EXPANSION BEARING ASSEMBLY (EACH)	
					TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS							TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS		
65'	259	130.0	450	79.2	16,470	17,070	229	225	8	8	259	129.8	450	79.1	16,680	17,180	229	225	4	4
70'	279	140.0	450	84.8	17,800	18,370	247	242	8	8	279	139.8	450	84.7	17,870	18,490	247	242	4	4
75'	299	150.0	450	90.4	18,890	19,600	265	260	8	8	299	149.8	450	90.3	19,110	19,710	264	260	4	4
80'	319	160.0	450	96.1	20,140	20,820	282	277	8	8	319	159.8	450	96.0	20,220	20,940	282	277	4	4
85'	339	170.0	450	101.7	21,240	22,050	300	294	8	8	339	169.8	450	101.6	21,450	22,160	300	294	4	4
90'	359	180.0	450	107.3	22,490	23,270	317	312	8	8	359	179.8	450	107.2	22,570	23,390	318	312	4	4
95'	379	190.0	450	113.0	23,590	24,500	336	329	8	8	379	189.8	450	112.9	23,800	24,610	335	329	4	4
100'	399	200.0	450	118.6	24,840	25,720	353	346	8	8	399	199.8	450	118.5	24,920	25,830	353	346	4	4

**SUPERSTRUCTURE QUANTITIES PER SPAN**

SPAN	EXPANSION PIER TO EXPANSION PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH)	FIXED OR EXPANSION BEARING ASSEMBLY (EACH)
					TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS		
65'	259	129.7	450	78.9	16,740	17,290	229	225	8	8
70'	279	139.7	450	84.6	17,850	18,520	247	242	8	8
75'	299	149.7	450	90.2	19,090	19,740	265	260	8	8
80'	319	159.7	450	95.8	20,200	20,970	283	277	8	8
85'	339	169.7	450	101.5	21,430	22,190	300	294	8	8
90'	359	179.7	450	107.1	22,550	23,420	318	312	8	8
95'	379	189.7	450	112.7	23,780	24,640	335	329	8	8
100'	399	199.7	450	118.4	24,900	25,870	353	346	8	8

CONSTRUCTION JOINT SEAL QUANTITIES		
ITEM	UNIT	EACH FIXED PIER
(SP) SEALER CRACK PREPARATION	L.F.	40.8
(SP) SEALER RESIN	GAL.	0.5

SEALED EXPANSION JOINT QUANTITY PER EXPANSION JOINT			
DESCRIPTION	UNIT	TR4 W/O OPENINGS	TR4 W/O OPENINGS
SEALED EXPANSION JOINT	L.F.	43.2	41.8

BEARING ASSEMBLY STRUCTURAL STEEL QUANTITIES PER SPAN			
SPAN	FIXED BEARING TO EXPANSION BEARING	FIXED BEARING TO EXPANSION BEARING	
		FIXED BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)
65'	1,320	660	1,320
70'	1,340	670	1,340
75'	1,340	670	1,340
80'	1,360	680	1,360
85'	1,380	690	1,380
90'	1,400	700	1,400
95'	1,420	710	1,420
100'	1,440	720	1,440

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

② Quantity includes provision for laps required in longitudinal reinforcing as follows:  
 65' 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 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

*[Signature]*

DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION  
 BRIDGE STANDARD (ENGLISH)

**SUPERSTRUCTURE QUANTITIES  
 TYPE IV P.C. BEAMS  
 CONVENTIONAL**

1999 SPECIFICATIONS B40-C-SPR-QUAN-PCB-IV

02E

B-409E