

**SUPERSTRUCTURE QUANTITIES PER SPAN**

SPAN	ABUTMENT TO ABUTMENT									
	PRESTRESSED CONCRETE BEAMS (TYPE III) (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)			
45'	179	91.0	150	87.7	TR4 W/ OPENINGS (LB.)	TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS	8	(3)
50'	199	101.0	150	93.0	13,910	14,290	183	180	8	
55'	219	111.0	150	98.5	15,140	15,520	199	196	8	
60'	239	121.0	150	103.9	16,260	16,740	215	212	8	
65'	259	131.0	150	109.4	17,650	18,130	232	228	8	
70'	279	141.0	150	114.9	18,760	19,350	248	244	8	
					20,000	20,580	264	260	8	

① Quantity includes provision for laps required in longitudinal reinforcing as follows: 60' thru 70' Spans - 1 lap

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

③ At abutments, provide and install Fixed Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of structural steel per span for the Fixed Bearing Assemblies. Include all costs associated with providing and installing the Anchor Plate and Anchor Bars, 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.

④ At all piers, provide and install Expansion Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of structural steel per span for the Expansion Bearing Assemblies. Include all costs associated with providing and installing the Elastomeric Pads, Anchor Plates, Contact Plates, Anchor Bars 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 EXPANSION BEARING ASSEMBLIES.

⑤ Provide and install Elastomeric Pads between the top surface of the Beams and the bottom surface of the Deck Slab. The Elastomeric Pads are to be of the size and shape as detailed in the plans and located at each Beam end above the Piers. Include all costs associated with providing and installing the Elastomeric Pads above the Beams, including all material, labor, equipment, and incidentals necessary to complete the work as shown in the plans, in the contract unit price of ELASTOMERIC BEARING PADS.

BEARING ASSEMBLY STRUCTURAL STEEL QUANTITIES PER SPAN			
SPAN	ABUTMENT TO ABUTMENT	ABUTMENT TO PIER	PIER TO PIER
45'	650	320	620
50'	650	320	660
55'	650	320	680
60'	650	320	700
65'	650	320	710
70'	650	320	730

**SUPERSTRUCTURE QUANTITIES PER SPAN**

SPAN	ABUTMENT TO PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE III) (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)	EXPANSION BEARING ASSEMBLY (EACH)	ELASTOMERIC BEARING PADS (EACH)	(PL) ELASTOMERIC BEARING PADS (EACH)
45'	179	90.5	300	70.8	TR4 W/ OPENINGS (LB.)	TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS	4	4
50'	199	100.5	300	76.3	13,980	14,240	165	162	4	4
55'	219	110.5	300	81.8	15,160	15,540	181	178	4	4
60'	239	120.5	300	87.3	16,400	16,770	198	194	4	4
65'	259	130.5	300	92.7	17,510	17,990	214	211	4	4
70'	279	140.5	300	98.2	18,750	19,220	231	227	4	4
					19,940	20,520	247	243	4	4

**SUPERSTRUCTURE QUANTITIES PER SPAN**

SPAN	PIER TO PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE III) (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)	ELASTOMERIC BEARING PADS (EACH)	(PL) ELASTOMERIC BEARING PADS (EACH)	(PL) ELASTOMERIC BEARING PADS (EACH)
45'	179	90.0	450	54.1	TR4 W/ OPENINGS (LB.)	TR4 W/O OPENINGS	TR4 W/O OPENINGS	TR4 W/O OPENINGS	8	8
50'	199	100.0	450	59.6	13,830	14,130	148	145	8	8
55'	219	110.0	450	65.1	15,160	15,430	164	161	8	8
60'	239	120.0	450	70.6	16,250	16,650	181	177	8	8
65'	259	130.0	450	76.1	17,510	17,880	197	193	8	8
70'	279	140.0	450	81.5	18,600	19,100	214	209	8	8
					19,930	20,410	230	225	8	8

**CONSTRUCTION JOINT SEAL QUANTITIES**

ITEM	UNIT	EACH PIER
(SP) SEALER CRACK PREPARATION	L.F.	81.5
(SP) SEALER RESIN	GAL.	0.9

APPROVED BY BRIDGE ENGINEER



DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION  
BRIDGE STANDARD (ENGLISH)  
**SUPERSTRUCTURE QUANTITIES**  
TYPE III P.C. BEAMS  
INTEGRAL

1999 SPECIFICATIONS

B40-I-SPR-QUAN-PCB-III

02E

B-207E