

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO FIXED PIER						ABUTMENT TO EXPANSION 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)	(PL) EXPANSION BEARING ASSEMBLY (EACH)	FIXED OR EXPANSION BEARING ASSEMBLY (EACH)	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)	(PL) EXPANSION BEARING ASSEMBLY (EACH)
					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	TR4 W/ OPENINGS		
45'	179	91.7	450	56.2	12,210	12,590	149	146	4	4	179	91.5	450	56.1	12,330	12,620	148	146	4	4	
50'	199	101.7	450	61.7	13,520	13,900	165	162	4	4	199	101.5	450	61.6	13,440	13,850	165	162	4	4	
55'	219	111.7	450	67.2	14,640	15,120	182	178	4	4	219	111.5	450	67.1	14,830	15,230	181	178	4	4	
60'	239	121.7	450	72.7	15,870	16,350	198	194	4	4	239	121.5	450	72.6	15,950	16,460	198	194	4	4	
65'	259	131.7	450	78.2	16,980	17,570	215	210	4	4	259	131.5	450	78.1	17,180	17,680	214	210	4	4	
70'	279	141.7	450	83.7	18,300	18,880	231	226	4	4	279	141.5	450	83.6	18,300	18,910	231	226	4	4	

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	FIXED PIER TO FIXED PIER						FIXED PIER TO EXPANSION 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)	(PL) EXPANSION BEARING ASSEMBLY (EACH)	FIXED OR EXPANSION BEARING ASSEMBLY (EACH)	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)	(PL) EXPANSION BEARING ASSEMBLY (EACH)
					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	TR4 W/ OPENINGS		
45'	179	90.0	450	54.6	11,730	12,130	148	145	8	8	179	89.8	450	54.5	11,940	12,240	147	145	4	4	
50'	199	100.0	450	60.1	13,060	13,430	164	161	8	8	199	99.8	450	60.0	13,140	13,550	164	161	4	4	
55'	219	110.0	450	65.6	14,160	14,660	181	177	8	8	219	109.8	450	65.5	14,370	14,770	180	177	4	4	
60'	239	120.0	450	71.1	15,410	15,880	197	193	8	8	239	119.8	450	71.0	15,480	16,000	197	193	4	4	
65'	259	130.0	450	76.6	16,500	17,110	214	209	8	8	259	129.8	450	76.5	16,720	17,220	213	209	4	4	
70'	279	140.0	450	82.1	17,830	18,410	230	225	8	8	279	139.8	450	82.0	17,910	18,530	230	225	4	4	

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	EXPANSION PIER TO EXPANSION 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)	(PL) EXPANSION BEARING ASSEMBLY (EACH)
					TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS		
45'	179	89.7	450	54.4	11,920	12,270	148	145	8	8
50'	199	99.7	450	59.9	13,040	13,500	164	161	8	8
55'	219	109.7	450	65.4	14,430	14,880	180	177	8	8
60'	239	119.7	450	70.9	15,540	16,110	197	193	8	8
65'	259	129.7	450	76.4	16,780	17,330	213	209	8	8
70'	279	139.7	450	81.9	17,890	18,560	230	225	8	8

BEARING ASSEMBLY STRUCTURAL STEEL QUANTITIES PER SPAN			
SPAN	FIXED BEARING TO FIXED BEARING	FIXED BEARING TO EXPANSION BEARING	EXPANSION BEARING TO EXPANSION BEARING
	(LB.)	(LB.)	(LB.)
45'	1,240	620	1,240
50'	1,320	660	1,320
55'	1,360	680	1,360
60'	1,400	700	1,400
65'	1,420	710	1,420
70'	1,460	730	1,460

① Quantity includes provision for laps required in longitudinal reinforcing as follows:
 45' Span - 1 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.

② Quantity includes provision for laps required in longitudinal reinforcing as follows:
 55' thru 70' 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.

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/ OPENINGS	TR4 W/O OPENINGS
SEALED EXPANSION JOINT	L.F.	43.2	41.8

APPROVED BY BRIDGE ENGINEER  DATE 10-10-05

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