

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO FIXED PIER						ABUTMENT TO EXPANSION PIER												
	PRESTRESSED CONCRETE BEAMS (TYPE B) (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.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②	PRESTRESSED CONCRETE BEAMS (TYPE B) (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) ②	(PL) EXPANSION BEARING ASSEMBLY (EACH) ②
					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'	119	61.7	450	37.9	8,720	8,890	90	89	4	119	61.5	450	37.8	8,720	8,920	91	89	4	4
35'	139	71.7	450	43.3	9,840	10,120	106	104	4	139	71.5	450	43.2	9,950	10,150	105	104	4	4
40'	159	81.7	450	48.7	11,070	11,340	120	118	4	159	81.5	450	48.6	11,070	11,370	121	118	4	4
45'	179	91.7	450	54.1	12,180	12,570	136	133	4	179	91.5	450	54.0	12,300	12,600	135	133	4	4
50'	199	101.7	450	59.4	13,500	13,870	150	148	4	199	101.5	450	59.4	13,410	13,820	151	148	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	FIXED PIER TO FIXED PIER						FIXED PIER TO EXPANSION PIER												
	PRESTRESSED CONCRETE BEAMS (TYPE B) (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.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②	PRESTRESSED CONCRETE BEAMS (TYPE B) (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) ②	
					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'	119	60.0	450	36.2	8,260	8,430	89	88	8	119	59.8	450	36.1	8,340	8,540	90	88	4	4
35'	139	70.0	450	41.6	9,360	9,650	105	103	8	139	69.8	450	41.5	9,570	9,760	104	103	4	4
40'	159	80.0	450	47.0	10,610	10,880	120	117	8	159	79.8	450	46.9	10,680	10,990	120	117	4	4
45'	179	90.0	450	52.4	11,700	12,100	135	132	8	179	89.8	450	52.3	11,920	12,210	134	132	4	4
50'	199	100.0	450	57.8	13,030	13,410	150	147	8	199	99.8	450	57.7	13,110	13,520	150	147	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	EXPANSION PIER TO EXPANSION PIER								
	PRESTRESSED CONCRETE BEAMS (TYPE B) (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.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	
30'	119	59.7	450	36.0	8,320	8,570	90	88	8
35'	139	69.7	450	41.4	9,550	9,800	105	103	8
40'	159	79.7	450	46.8	10,660	11,020	120	117	8
45'	179	89.7	450	52.2	11,900	12,250	135	132	8
50'	199	99.7	450	57.6	13,010	13,470	150	147	8

BEARING ASSEMBLY QUANTITIES PER SPAN

SPAN	FIXED BEARING TO EXPANSION BEARING		EXPANSION BEARING TO EXPANSION BEARING	
	FIXED BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)	FIXED BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)
	30'	1,240	620	620
35'	1,240	620	620	1,240
40'	1,320	660	660	1,320
45'	1,400	700	700	1,400
50'	1,480	740	740	1,480

CONSTRUCTION JOINT SEAL QUANTITIES

ITEM	EACH FIXED PIER	
	UNIT	QUANTITY
(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

① Quantity includes provision for laps required in longitudinal reinforcing as follows:
30' thru 45' Spans - 1/2 lap
50' Span - 1 lap

Laps account for adjacent span combinations and are approximate. Pay quantity will be as shown on the plans.

② 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 B P.C. BEAMS
CONVENTIONAL