

SUPERSTRUCTURE QUANTITIES PER SPAN																						
SPAN	ABUTMENT TO FIXED PIER											ABUTMENT TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE B) (L.F.)	SAW-CUT GROOVING (S.Y.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL ① (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED BEARING ASSEMBLY (EACH) ②	FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②	PRESTRESSED CONCRETE BEAMS (TYPE B) (L.F.)	SAW-CUT GROOVING (S.Y.)	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 BEARING ASSEMBLY (EACH) ②	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	137.0	61.7	450	37.7	8,720	8,890	90	89	4	4	119	137.0	61.7	450	37.6	8,720	8,920	91	89	4	4
35'	139	159.3	71.7	450	43.1	9,840	10,120	106	104	4	4	139	159.3	71.7	450	43.0	9,950	10,150	105	104	4	4
40'	159	181.5	81.7	450	48.4	11,070	11,340	120	118	4	4	159	181.5	81.7	450	48.3	11,070	11,370	121	118	4	4
45'	179	203.7	91.7	450	53.8	12,180	12,570	136	133	4	4	179	203.7	91.7	450	53.7	12,300	12,600	135	133	4	4
50'	199	225.9	101.7	450	59.2	13,500	13,870	150	148	4	4	199	225.9	101.7	450	59.1	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.)	SAW-CUT GROOVING (S.Y.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL ① (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②	PRESTRESSED CONCRETE BEAMS (TYPE B) (L.F.)	SAW-CUT GROOVING (S.Y.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL ① (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②	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	133.3	60.0	450	36.1	8,260	8,430	89	88	8	119	133.3	60.0	450	36.0	8,340	8,540	90	88	4	4
35'	139	155.6	70.0	450	41.4	9,360	9,650	105	103	8	139	155.6	70.0	450	41.3	9,570	9,760	104	103	4	4
40'	159	177.8	80.0	450	46.8	10,610	10,880	120	117	8	159	177.8	80.0	450	46.7	10,680	10,990	120	117	4	4
45'	179	200.0	90.0	450	52.1	11,700	12,100	135	132	8	179	200.0	90.0	450	52.0	11,920	12,210	134	132	4	4
50'	199	222.2	100.0	450	57.5	13,030	13,410	150	147	8	199	222.2	100.0	450	57.4	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.)	SAW-CUT GROOVING (S.Y.)	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	133.3	60.0	450	35.9	8,320	8,570	90	88	8
35'	139	155.6	70.0	450	41.2	9,550	9,800	105	103	8
40'	159	177.8	80.0	450	46.6	10,660	11,020	120	117	8
45'	179	200.0	90.0	450	51.9	11,900	12,250	135	132	8
50'	199	222.2	100.0	450	57.3	13,010	13,470	150	147	8

BEARING ASSEMBLY STAINLESS STEEL QUANTITIES PER SPAN			
FIXED BEARING TO FIXED BEARING	FIXED BEARING TO EXPANSION BEARING		EXPANSION BEARING TO EXPANSION BEARING
FIXED BEARING ASSEMBLIES (LB.)	FIXED BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)
1,360	680	690	1,380

- 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. The Department will not pay for additional quantities of reinforcing steel in excess of the quantities shown in 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 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

CONSTRUCTION JOINT SEAL QUANTITIES		
ITEM	UNIT	EACH FIXED PIER
SEALER CRACK PREPARATION	L.F.	40.8
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 *Scott J. Smith* DATE *4/2/10*

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

2009 SPECIFICATIONS | B40-C-SPR-QUAN-PCB-B | 03E  
 B-406E