

SUPERSTRUCTURE QUANTITIES PER SPAN																						
SPAN	ABUTMENT TO FIXED PIER											ABUTMENT TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE III) (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.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED BEARING ASSEMBLY (EACH) ③	FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③	PRESTRESSED CONCRETE BEAMS (TYPE III) (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.) ②		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED BEARING ASSEMBLY (EACH) ③	EXPANSION BEARING ASSEMBLY (EACH) ③
						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		
45'	179	203.7	91.7	450	55.5	12,210	12,590	149	146	4	4	179	203.7	91.7	450	55.4	12,330	12,620	148	146	4	4
50'	199	225.9	101.7	450	60.9	13,520	13,900	165	162	4	4	199	225.9	101.7	450	60.8	13,440	13,850	165	162	4	4
55'	219	248.1	111.7	450	66.3	14,640	15,120	182	178	4	4	219	248.1	111.7	450	66.2	14,830	15,230	181	178	4	4
60'	239	270.4	121.7	450	71.7	15,870	16,350	198	194	4	4	239	270.4	121.7	450	71.6	15,950	16,460	198	194	4	4
65'	259	292.6	131.7	450	77.1	16,980	17,570	215	210	4	4	259	292.6	131.7	450	77.0	17,180	17,680	214	210	4	4
70'	279	314.8	141.7	450	82.6	18,300	18,880	231	226	4	4	279	314.8	141.7	450	82.5	18,300	18,910	231	226	4	4
75'	299	337.0	151.7	450	88.0	19,410	20,100	247	243	4	4	299	337.0	151.7	450	87.9	19,530	20,130	247	243	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN																					
SPAN	FIXED PIER TO FIXED PIER										FIXED PIER TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE III) (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.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③	PRESTRESSED CONCRETE BEAMS (TYPE III) (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.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③	EXPANSION BEARING ASSEMBLY (EACH) ③
						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		
45'	179	200.0	90.0	450	53.9	11,730	12,130	148	145	8	179	200.0	90.0	450	53.8	11,940	12,240	147	145	4	4
50'	199	222.2	100.0	450	59.3	13,060	13,430	164	161	8	199	222.2	100.0	450	59.2	13,140	13,550	164	161	4	4
55'	219	244.4	110.0	450	64.7	14,160	14,660	181	177	8	219	244.4	110.0	450	64.6	14,370	14,770	180	177	4	4
60'	239	266.7	120.0	450	70.1	15,410	15,880	197	193	8	239	266.7	120.0	450	70.0	15,480	16,000	197	193	4	4
65'	259	288.9	130.0	450	75.6	16,500	17,110	214	209	8	259	288.9	130.0	450	75.5	16,720	17,220	213	209	4	4
70'	279	311.1	140.0	450	81.0	17,830	18,410	230	225	8	279	311.1	140.0	450	80.9	17,910	18,530	230	225	4	4
75'	299	333.3	150.0	450	86.4	18,930	19,640	246	241	8	299	333.3	150.0	450	86.3	19,150	19,750	246	241	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN										
SPAN	EXPANSION PIER TO EXPANSION PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE III) (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.) ②		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	
45'	179	200.0	90.0	450	53.7	11,920	12,270	148	145	8
50'	199	222.2	100.0	450	59.1	13,040	13,500	164	161	8
55'	219	244.4	110.0	450	64.5	14,430	14,880	180	177	8
60'	239	266.7	120.0	450	69.9	15,540	16,110	197	193	8
65'	259	288.9	130.0	450	75.3	16,780	17,330	213	209	8
70'	279	311.1	140.0	450	80.8	17,890	18,560	230	225	8
75'	299	333.3	150.0	450	86.2	19,130	19,780	246	241	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.)
1,380	690	710	1,430

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

① Quantity includes provision for laps required in longitudinal reinforcing as follows:
 45' Span - 1/2 lap
 50' thru 65' Spans - 1 lap
 70' and 75' Spans - 1 1/2 laps
 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 Quantity includes provision for laps required in longitudinal reinforcing as follows:
 55' thru 75' 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 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 EXPANSION BEARING ASSEMBLIES as applicable.

APPROVED BY BRIDGE ENGINEER *Scott J. Smith* DATE *4/2/10*

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

2009 SPECIFICATIONS | B40-C-SPR-QUAN-PCB-III | 03E
 B-407E