

SUPERSTRUCTURE QUANTITIES PER SPAN																						
SPAN	ABUTMENT TO FIXED PIER											ABUTMENT TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE C) (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) ③	FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③	PRESTRESSED CONCRETE BEAMS (TYPE C) (L.F.)	SAW-CUT GROOVING (S.Y.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL ② (LB.)		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	54.9	12,180	12,560	145	142	4	4	179	203.7	91.7	450	54.8	12,300	12,590	145	142	4	4
50'	199	225.9	101.7	450	60.3	13,490	13,870	161	158	4	4	199	225.9	101.7	450	60.2	13,410	13,820	161	158	4	4
55'	219	248.1	111.7	450	65.7	14,610	15,090	177	174	4	4	219	248.1	111.7	450	65.6	14,800	15,200	177	174	4	4
60'	239	270.4	121.7	450	71.1	15,840	16,320	193	189	4	4	239	270.4	121.7	450	71.0	15,920	16,430	193	189	4	4
65'	259	292.6	131.7	450	76.5	16,950	17,540	209	205	4	4	259	292.6	131.7	450	76.4	17,150	17,650	209	205	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN																					
SPAN	FIXED PIER TO FIXED PIER										FIXED PIER TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE C) (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) ③	PRESTRESSED CONCRETE BEAMS (TYPE C) (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) 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	53.3	11,700	12,100	144	141	8	179	200.0	90.0	450	53.2	11,910	12,210	144	141	4	4
50'	199	222.2	100.0	450	58.7	13,030	13,400	160	157	8	199	222.2	100.0	450	58.6	13,110	13,520	160	157	4	4
55'	219	244.4	110.0	450	64.1	14,130	14,630	176	173	8	219	244.4	110.0	450	64.0	14,340	14,740	176	173	4	4
60'	239	266.7	120.0	450	69.5	15,380	15,850	192	188	8	239	266.7	120.0	450	69.4	15,450	15,970	192	188	4	4
65'	259	288.9	130.0	450	74.9	16,470	17,080	208	204	8	259	288.9	130.0	450	74.8	16,690	17,190	208	204	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN										
SPAN	EXPANSION PIER TO EXPANSION PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE C) (L.F.)	SAW-CUT GROOVING (S.Y.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL ② (LB.)		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	53.1	11,890	12,240	144	141	8
50'	199	222.2	100.0	450	58.5	13,010	13,470	160	157	8
55'	219	244.4	110.0	450	63.9	14,400	14,850	176	173	8
60'	239	266.7	120.0	450	69.3	15,510	16,080	192	188	8
65'	259	288.9	130.0	450	74.7	16,750	17,300	208	204	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
 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 65' 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 C P.C. BEAMS
CONVENTIONAL

2009 SPECIFICATIONS | B40-C-SPR-QUAN-PCB-C | 03E
 B-408E