

SUPERSTRUCTURE QUANTITIES PER SPAN																						
SPAN	ABUTMENT TO FIXED PIER											ABUTMENT TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE BT-72) (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 BT-72) (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		
95'	379	425.9	191.7	1,200	128.2	26,150	27,050	377	371	4	4	379	425.9	191.7	1,200	128.1	26,270	27,080	377	371	4	4
100'	399	448.1	201.7	1,200	133.9	27,390	28,270	396	390	4	4	399	448.1	201.7	1,200	133.8	27,380	28,300	397	390	4	4
105'	419	470.4	211.7	1,200	139.6	28,500	29,500	417	410	4	4	419	470.4	211.7	1,200	139.5	28,620	29,530	416	410	4	4
110'	439	492.6	221.7	1,200	145.3	29,820	30,800	436	429	4	4	439	492.6	221.7	1,200	145.2	29,730	30,750	436	429	4	4
115'	459	514.8	231.7	1,200	151.0	30,930	32,030	456	448	4	4	459	514.8	231.7	1,200	150.9	30,970	31,980	456	448	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN																					
SPAN	FIXED PIER TO FIXED PIER										FIXED PIER TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE BT-72) (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 BT-72) (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		
95'	379	422.2	190.0	1,200	126.7	25,700	26,610	376	369	8	379	422.2	190.0	1,200	126.6	25,920	26,720	376	369	4	4
100'	399	444.4	200.0	1,200	132.4	26,950	27,840	395	389	8	399	444.4	200.0	1,200	132.3	27,030	27,950	396	389	4	4
105'	419	466.7	210.0	1,200	138.1	28,050	29,060	416	408	8	419	466.7	210.0	1,200	138.0	28,260	29,170	415	408	4	4
110'	439	488.9	220.0	1,200	143.8	29,380	30,370	435	428	8	439	488.9	220.0	1,200	143.7	29,460	30,480	435	428	4	4
115'	459	511.1	230.0	1,200	149.5	30,480	31,590	455	447	8	459	511.1	230.0	1,200	149.4	30,690	31,700	455	447	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN										
SPAN	EXPANSION PIER TO EXPANSION PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE BT-72) (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	
95'	379	422.2	190.0	1,200	126.5	25,900	26,760	376	369	8
100'	399	444.4	200.0	1,200	132.2	27,010	27,980	396	389	8
105'	419	466.7	210.0	1,200	137.9	28,240	29,210	415	408	8
110'	439	488.9	220.0	1,200	143.6	29,360	30,430	436	428	8
115'	459	511.1	230.0	1,200	149.3	30,590	31,650	455	447	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.)
1,670	830	830	1,670

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:
 95' thru 105' Spans - 1 1/2 laps
 110' and 115' Spans - 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:
 95' thru 115' 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 BT-72 P.C. BEAMS
CONVENTIONAL

2009 SPECIFICATIONS | B40-C-SPR-QUAN-PCB-BT | 03E
 B-410E