SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO FIXED PIER											ABUTMENT TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (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)	FIXED OR EXPANSION BEARING ASSEMBLY (EACH)	PRESTRESSED CONCRETE BEAMS (TYPE IV) (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)	EXPANSION BEARING ASSEMBLY (EACH)
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	③	③						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	③	③
65'	259	292.6	131.7	450	78.8	16,950	17,530	230	226	4	4	259	292.6	131.7	450	78.7	17,140	17,640	230	226	4	4
70'	279	314.8	141.7	450	84.3	18,260	18,840	248	244	4	4	279	314.8	141.7	450	84.1	18,260	18,870	248	244	4	4
75'	299	337.0	151.7	450	89.7	19,370	20,060	266	261	4	4	299	337.0	151.7	450	89.6	19,490	20,090	265	261	4	4
80'	319	359.3	161.7	450	95.2	20,610	21,290	283	278	4	4	319	359.3	161.7	450	95.1	20,600	21,320	283	278	4	4
85'	339	381.5	171.7	450	100.7	21,720	22,510	301	296	4	4	339	381.5	171.7	450	100.6	21,840	22,540	301	296	4	4
90'	359	403.7	181.7	450	106.2	22,950	23,740	318	313	4	4	359	403.7	181.7	450	106.1	22,950	23,770	319	313	4	4
95'	379	425.9	191.7	450	111.7	24,070	24,960	337	330	4	4	379	425.9	191.7	450	111.5	24,180	24,990	336	330	4	4
100'	399	448.1	201.7	450	117.1	25,300	26,190	354	348	4	4	399	448.1	201.7	450	117.0	25,300	26,220	354	348	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	FIXED PIER TO FIXED PIER										FIXED PIER TO EXPANSION PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (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)	PRESTRESSED CONCRETE BEAMS (TYPE IV) (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)	EXPANSION BEARING ASSEMBLY (EACH)
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	③						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	③	③
65'	259	288.9	130.0	450	77.3	16,470	17,070	229	225	8	259	288.9	130.0	450	77.1	16,680	17,180	229	225	4	4
70'	279	311.1	140.0	450	82.7	17,800	18,370	247	242	8	279	311.1	140.0	450	82.6	17,870	18,490	247	242	4	4
75'	299	333.3	150.0	450	88.2	18,890	19,600	265	260	8	299	333.3	150.0	450	88.1	19,110	19,710	264	260	4	4
80'	319	355.6	160.0	450	93.7	20,140	20,820	282	277	8	319	355.6	160.0	450	93.6	20,220	20,940	282	277	4	4
85'	339	377.8	170.0	450	99.2	21,240	22,050	300	294	8	339	377.8	170.0	450	99.1	21,450	22,160	300	294	4	4
90'	359	400.0	180.0	450	104.7	22,490	23,270	317	312	8	359	400.0	180.0	450	104.5	22,570	23,390	318	312	4	4
95'	379	422.2	190.0	450	110.1	23,590	24,500	336	329	8	379	422.2	190.0	450	110.0	23,800	24,610	335	329	4	4
100'	399	444.4	200.0	450	115.6	24,840	25,720	353	346	8	399	444.4	200.0	450	115.5	24,920	25,830	353	346	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	EXPANSION PIER TO EXPANSION PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (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)
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	③
65'	259	288.9	130.0	450	77.0	16,740	17,290	229	225	8
70'	279	311.1	140.0	450	82.5	17,850	18,520	247	242	8
75'	299	333.3	150.0	450	88.0	19,090	19,740	265	260	8
80'	319	355.6	160.0	450	93.5	20,200	20,970	283	277	8
85'	339	377.8	170.0	450	98.9	21,430	22,190	300	294	8
90'	359	400.0	180.0	450	104.4	22,550	23,420	318	312	8
95'	379	422.2	190.0	450	109.9	23,780	24,640	335	329	8
100'	399	444.4	200.0	450	115.4	24,900	25,870	353	346	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.)
1,550	780	790	1,580

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:
65' Span - 1 lap
70' thru 100' 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:
65' thru 100' 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 [signature] DATE 4/2/10

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

SUPERSTRUCTURE QUANTITIES TYPE IV P.C. BEAMS CONVENTIONAL

2009 SPECIFICATIONS	B40-C-SPR-QUAN-PCB-IV	03E

B-409E