

- ① Quantity includes provision for laps required in longitudinal reinforcing as follows:
60' thru 75' Spans - 1 lap
- ② 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.
- ③ At abutments, provide and install Fixed Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of structural steel per span for the Fixed Bearing Assemblies. Include all costs associated with providing and installing the Anchor Plate and Anchor Bars, 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.
- ④ At all piers, provide and install Expansion Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of stainless steel per span for the Expansion Bearing Assemblies. Include all costs associated with providing and installing the Elastomeric Pads, Anchor Plates, Contact Plates, Anchor Bars 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 EXPANSION BEARING ASSEMBLIES.
- ⑤ Provide and install Elastomeric Pads between the top surface of the Beams and the bottom surface of the Deck Slab. The Elastomeric Pads are to be of the size and shape as detailed in the plans and located at each Beam end above the Piers. Include all costs associated with providing and installing the Elastomeric Pads above the Beams, including all material, labor, equipment, and incidentals necessary to complete the work as shown in the plans, in the contract unit price of ELASTOMERIC BEARING PADS.

BEARING ASSEMBLY STAINLESS/STRUCTURAL STEEL QUANTITIES PER SPAN			
ABUTMENT TO ABUTMENT	ABUTMENT TO PIER	PIER TO PIER	
FIXED BEARING ASSEMBLIES (LB.)	FIXED BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)
650	320	710	1,430

SUPERSTRUCTURE QUANTITIES PER SPAN										
SPAN	ABUTMENT TO ABUTMENT									
	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
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	
45'	179	202.2	91.0	150	86.8	13,910	14,290	183	180	8
50'	199	224.4	101.0	150	92.2	15,140	15,520	199	196	8
55'	219	246.7	111.0	150	97.6	16,260	16,740	215	212	8
60'	239	268.9	121.0	150	103.0	17,650	18,130	232	228	8
65'	259	291.1	131.0	150	108.4	18,760	19,350	248	244	8
70'	279	313.3	141.0	150	113.8	20,000	20,580	264	260	8
75'	299	335.6	151.0		119.2	21,110	21,800	281	276	8

SUPERSTRUCTURE QUANTITIES PER SPAN												
SPAN	ABUTMENT TO 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 BEARING ASSEMBLY (EACH) ③	EXPANSION BEARING ASSEMBLY (EACH) ④	ELASTOMERIC BEARING PADS (EACH) ⑤
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS			
45'	179	205.6	90.5	300	70.1	13,980	14,240	165	162	4	4	4
50'	199	227.8	100.5	300	75.5	15,160	15,540	181	178	4	4	4
55'	219	250.0	110.5	300	80.9	16,400	16,770	198	194	4	4	4
60'	239	272.2	120.5	300	86.3	17,510	17,990	214	211	4	4	4
65'	259	294.4	130.5	300	91.7	18,750	19,220	231	227	4	4	4
70'	279	316.7	140.5	300	97.1	19,940	20,520	247	243	4	4	4
75'	299	338.9	150.5		102.5	21,180	21,750	264	259	4	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN											
SPAN	PIER TO 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.)		EXPANSION BEARING ASSEMBLY (EACH) ④	ELASTOMERIC BEARING PADS (EACH) ⑤
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS		
45'	179	200.0	90.0	450	53.4	13,830	14,130	148	145	8	8
50'	199	222.2	100.0	450	58.8	15,160	15,430	164	161	8	8
55'	219	244.4	110.0	450	64.2	16,250	16,650	181	177	8	8
60'	239	266.7	120.0	450	69.6	17,510	17,880	197	193	8	8
65'	259	288.9	130.0	450	75.0	18,600	19,100	214	209	8	8
70'	279	311.1	140.0	450	80.4	19,930	20,410	230	225	8	8
75'	299	333.3	150.0		85.8	21,030	21,630	246	241	8	8

CONSTRUCTION JOINT SEAL QUANTITIES		
ITEM	UNIT	EACH PIER
SEALER CRACK PREPARATION	L.F.	81.5
SEALER RESIN	GAL.	0.9

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
INTEGRAL

2009 SPECIFICATIONS | B40-I-SPR-QUAN-PCB-III | 03E
B-207E