

- ① Quantity includes provision for laps required in longitudinal reinforcing as follows:
60' and 65' 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
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 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 (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	85.3	13,900	14,280	178	175	8
50'	199	224.4	101.0	150	90.7	15,130	15,510	194	191	8
55'	219	246.7	111.0	150	96.1	16,250	16,730	210	207	8
60'	239	268.9	121.0	150	101.5	17,640	18,120	226	222	8
65'	259	291.1	131.0	150	106.9	18,750	19,340	242	238	8

SUPERSTRUCTURE QUANTITIES PER SPAN												
SPAN	ABUTMENT TO 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 (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	68.9	13,950	14,220	161	158	4	4	4
50'	199	227.8	100.5	300	74.3	15,140	15,520	177	174	4	4	4
55'	219	250.0	110.5	300	79.7	16,380	16,750	193	190	4	4	4
60'	239	272.2	120.5	300	85.1	17,490	17,970	209	205	4	4	4
65'	259	294.4	130.5	300	90.5	18,730	19,200	225	221	4	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN											
SPAN	PIER TO 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 (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	52.6	13,790	14,090	144	141	8	8
50'	199	222.2	100.0	450	58.0	15,120	15,400	160	157	8	8
55'	219	244.4	110.0	450	63.4	16,220	16,620	176	173	8	8
60'	239	266.7	120.0	450	68.8	17,470	17,850	192	188	8	8
65'	259	288.9	130.0	450	74.2	18,570	19,070	208	204	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	<i>David J. Smith</i>	DATE	4/2/10
OKLAHOMA DEPT. OF TRANSPORTATION BRIDGE STANDARD (ENGLISH) SUPERSTRUCTURE QUANTITIES TYPE C P.C. BEAMS INTEGRAL			
2009 SPECIFICATIONS	B40-I-SPR-QUAN-PCB-C	03E	B-208E