

① Quantity includes provision for laps required in longitudinal reinforcing as follows:
 30' thru 45' Spans - 1/2 lap
 50' Span - 1 lap
 Laps account for adjacent span combinations and are approximate. Pay quantity will be as shown on the plans.

② 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.

③ 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 structural 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.

④ 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 STRUCTURAL STEEL QUANTITIES PER SPAN				
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.)
30'	590	300	620	1,240
35'	590	300	620	1,240
40'	590	300	660	1,320
45'	590	300	700	1,400
50'	590	300	740	1,480

SUPERSTRUCTURE QUANTITIES PER SPAN								
SPAN	ABUTMENT TO ABUTMENT							
	PRESTRESSED CONCRETE BEAMS (TYPE II) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		(PL) FIXED BEARING ASSEMBLY (EACH)	
					TR4 W/ OPENINGS	TR4 W/O OPENINGS		
30'	119	61.0	150	63.1	9,690	9,860	117	8
35'	139	71.0	150	68.5	10,810	11,090	134	8
40'	159	81.0	150	73.8	12,040	12,310	149	8
45'	179	91.0	150	79.2	13,150	13,540	165	8
50'	199	101.0	150	84.6	14,390	14,760	179	8


SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO PIER								
	PRESTRESSED CONCRETE BEAMS (TYPE II) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		(PL) FIXED BEARING ASSEMBLY (EACH)	(PL) ELASTOMERIC BEARING PADS (EACH)	
					TR4 W/ OPENINGS	TR4 W/O OPENINGS			
30'	119	60.5	300	49.6	9,800	9,980	105	4	4
35'	139	70.5	300	55.0	11,040	11,210	120	4	4
40'	159	80.5	300	60.4	12,150	12,430	135	4	4
45'	179	90.5	300	65.8	13,390	13,660	151	4	4
50'	199	100.5	300	71.2	14,580	14,960	166	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	PIER TO PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE II) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		(PL) EXPANSION BEARING ASSEMBLY (EACH)	(PL) ELASTOMERIC BEARING PADS (EACH)		
					TR4 W/ OPENINGS	TR4 W/O OPENINGS				
30'	119	60.0	450	36.1	9,970	10,040	91	89	8	8
35'	139	70.0	450	41.5	11,080	11,260	106	104	8	8
40'	159	80.0	450	46.9	12,310	12,490	121	119	8	8
45'	179	90.0	450	52.3	13,430	13,710	137	134	8	8
50'	199	100.0	450	57.7	14,740	15,010	152	149	8	8

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

APPROVED BY BRIDGE ENGINEER  DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION
 BRIDGE STANDARD (ENGLISH)
SUPERSTRUCTURE QUANTITIES
TYPE II P.C. BEAMS
INTEGRAL

1999 SPECIFICATIONS B40-I-SPR-QJAN-PCB-II 02E B-205E