

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 B) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)	(PL) FIXED BEARING ASSEMBLY (EACH)	
					TR4 W/ OPENINGS	TR4 W/O OPENINGS			
30'	119	61.0	150	62.5	9,690	9,860	117	115	8
35'	139	71.0	150	67.8	10,800	11,080	132	130	8
40'	159	81.0	150	73.2	12,040	12,310	147	145	8
45'	179	91.0	150	78.6	13,150	13,530	162	159	8
50'	199	101.0	150	84.0	14,380	14,760	177	174	8


SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO PIER								
	PRESTRESSED CONCRETE BEAMS (TYPE B) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)	(PL) FIXED BEARING ASSEMBLY (EACH)	(PL) ELASTOMERIC BEARING PADS (EACH)
					TR4 W/ OPENINGS	TR4 W/O OPENINGS			
30'	119	60.5	300	49.2	9,790	9,970	103	102	4
35'	139	70.5	300	54.6	11,040	11,200	119	116	4
40'	159	80.5	300	60.0	12,140	12,420	133	131	4
45'	179	90.5	300	65.3	13,380	13,650	149	146	4
50'	199	100.5	300	70.7	14,570	14,950	163	160	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	PIER TO PIER								
	PRESTRESSED CONCRETE BEAMS (TYPE B) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)	(PL) EXPANSION BEARING ASSEMBLY (EACH)	(PL) ELASTOMERIC BEARING PADS (EACH)
					TR4 W/ OPENINGS	TR4 W/O OPENINGS			
30'	119	60.0	450	35.9	9,960	10,020	89	88	8
35'	139	70.0	450	41.3	11,070	11,250	105	103	8
40'	159	80.0	450	46.7	12,300	12,470	120	117	8
45'	179	90.0	450	52.1	13,420	13,700	135	132	8
50'	199	100.0	450	57.5	14,730	15,000	150	147	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 B P.C. BEAMS
INTEGRAL

1999 SPECIFICATIONS B40-I-SPR-UJAN-PCB-B 02E B-206E