

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. The Department will not pay for additional quantities of reinforcing steel in excess of the quantities shown in 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 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.

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 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.)
590	300	690	1,380

SUPERSTRUCTURE QUANTITIES PER SPAN										
SPAN	ABUTMENT TO ABUTMENT									
	PRESTRESSED CONCRETE BEAMS (TYPE B) (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.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED BEARING ASSEMBLY (EACH) ②
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	
30'	119	135.6	61.0	150	62.3	9,690	9,860	117	115	8
35'	139	157.8	71.0	150	67.7	10,800	11,080	132	130	8
40'	159	180.0	81.0	150	73.0	12,040	12,310	147	145	8
45'	179	202.2	91.0	150	78.4	13,150	13,530	162	159	8
50'	199	224.4	101.0	150	83.7	14,380	14,760	177	174	8

SUPERSTRUCTURE QUANTITIES PER SPAN												
SPAN	ABUTMENT TO PIER											
	PRESTRESSED CONCRETE BEAMS (TYPE B) (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) ②	EXPANSION BEARING ASSEMBLY (EACH) ③	ELASTOMERIC BEARING PADS (EACH) ④
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS			
30'	119	134.4	60.5	300	49.0	9,790	9,970	103	102	4	4	4
35'	139	161.1	70.5	300	54.4	11,040	11,200	119	116	4	4	4
40'	159	183.3	80.5	300	59.7	12,140	12,420	133	131	4	4	4
45'	179	205.6	90.5	300	65.1	13,380	13,650	149	146	4	4	4
50'	199	227.8	100.5	300	70.4	14,570	14,950	163	160	4	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN											
SPAN	PIER TO PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE B) (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.)		EXPANSION BEARING ASSEMBLY (EACH) ③	ELASTOMERIC BEARING PADS (EACH) ④
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS		
30'	119	133.3	60.0	450	35.7	9,960	10,020	89	88	8	8
35'	139	155.6	70.0	450	41.1	11,070	11,250	105	103	8	8
40'	159	177.8	80.0	450	46.4	12,300	12,470	120	117	8	8
45'	179	200.0	90.0	450	51.8	13,420	13,700	135	132	8	8
50'	199	222.2	100.0	450	57.2	14,730	15,000	150	147	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 B P.C. BEAMS
INTEGRAL