① Quantity includes provision for laps required in longitudinal reinforcing as follows:
65' thru 100' Spans - 1 lap

② Quantity includes provision for laps required in longitudinal reinforcing as follows:
65' Span - 1 lap
70' thru 100' Spans - 1 1/2 laps
Laps account for adjacent span combinations and are approximate. Pay quantity will be as shown on 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 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.

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.

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO ABUTMENT								
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL ① (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH) ③
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	
65'	259	131.0	150	119.1	19,400	19,990	272	267	8
70'	279	141.0	150	124.8	20,630	21,210	289	285	8
75'	299	151.0	150	130.4	21,750	22,440	307	302	8
80'	319	161.0	150	136.0	22,980	23,660	324	319	8
85'	339	171.0	150	141.7	24,090	24,890	342	337	8
90'	359	181.0	150	147.3	25,330	26,110	360	354	8
95'	379	191.0	150	152.9	26,440	27,340	378	371	8
100'	399	201.0	150	158.6	27,680	28,560	395	388	8

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL ② (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH) ③	(PL) EXPANSION BEARING ASSEMBLY (EACH) ④	(PL) ELASTOMERIC BEARING PADS (EACH) ⑤
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS			
65'	259	130.5	300	99.0	19,270	19,750	251	246	4	4	4
70'	279	140.5	300	104.6	20,580	21,050	268	264	4	4	4
75'	299	150.5	300	110.2	21,700	22,270	286	281	4	4	4
80'	319	160.5	300	115.9	22,930	23,500	303	298	4	4	4
85'	339	170.5	300	121.5	24,040	24,720	321	315	4	4	4
90'	359	180.5	300	127.1	25,280	25,950	339	333	4	4	4
95'	379	190.5	300	132.8	26,390	27,170	357	350	4	4	4
100'	399	200.5	300	138.4	27,620	28,400	374	367	4	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	PIER TO PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE IV) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL ② (LB.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) EXPANSION BEARING ASSEMBLY (EACH) ④	(PL) ELASTOMERIC BEARING PADS (EACH) ⑤
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS		
65'	259	130.0	450	78.8	19,150	19,520	229	225	8	8
70'	279	140.0	450	84.4	20,350	20,820	247	242	8	8
75'	299	150.0	450	90.0	21,580	22,050	265	260	8	8
80'	319	160.0	450	95.7	22,700	23,270	282	277	8	8
85'	339	170.0	450	101.3	23,930	24,500	300	294	8	8
90'	359	180.0	450	106.9	25,040	25,720	317	312	8	8
95'	379	190.0	450	112.6	26,280	26,950	336	329	8	8
100'	399	200.0	450	118.2	27,390	28,170	353	346	8	8

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.)
65'	700	350	660	1,320
70'	700	350	670	1,340
75'	700	350	670	1,340
80'	700	350	680	1,360
85'	700	350	690	1,380
90'	700	350	700	1,400
95'	700	350	710	1,420
100'	700	350	720	1,440

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 [signature] DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

SUPERSTRUCTURE QUANTITIES TYPE IV P.C. BEAMS INTEGRAL

1999 SPECIFICATIONS	B40-I-SPR-QUAN-PCB-IV	02E
		B-209E