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. 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 C) (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	
45'	179	91.0	150	85.9	13,900	14,280	178	175	8
50'	199	101.0	150	91.3	15,130	15,510	194	191	8
55'	219	111.0	150	96.8	16,250	16,730	210	207	8
60'	239	121.0	150	102.3	17,640	18,120	226	222	8
65'	259	131.0	150	107.7	18,750	19,340	242	238	8

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE C) (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			
45'	179	90.5	300	69.6	13,950	14,220	161	158	4	4	4
50'	199	100.5	300	75.0	15,140	15,520	177	174	4	4	4
55'	219	110.5	300	80.5	16,380	16,750	193	190	4	4	4
60'	239	120.5	300	86.0	17,490	17,970	209	205	4	4	4
65'	259	130.5	300	91.4	18,730	19,200	225	221	4	4	4

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.)
45'	650	320	620	1,240
50'	650	320	660	1,320
55'	650	320	680	1,360
60'	650	320	700	1,400
65'	650	320	710	1,420

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	PIER TO PIER									
	PRESTRESSED CONCRETE BEAMS (TYPE C) (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		
45'	179	90.0	450	53.2	13,790	14,090	144	141	8	8
50'	199	100.0	450	58.7	15,120	15,400	160	157	8	8
55'	219	110.0	450	64.2	16,220	16,620	176	173	8	8
60'	239	120.0	450	69.7	17,470	17,850	192	188	8	8
65'	259	130.0	450	75.1	18,570	19,070	208	204	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 [signature] DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

SUPERSTRUCTURE QUANTITIES TYPE C P.C. BEAMS INTEGRAL

1999 SPECIFICATIONS | B40-I-SPR-QUAN-PCB-C | 02E

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