SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO FIXED PIER										ABUTMENT TO EXPANSION 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.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH) ②	FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②	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.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH) ②	(PL) EXPANSION BEARING ASSEMBLY (EACH) ②
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS							TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS		
30'	119	61.7	450	38.1	8,740	8,910	92	90	4	4	119	61.5	450	38.0	8,730	8,940	92	90	4	4
35'	139	71.7	450	43.5	9,850	10,130	107	105	4	4	139	71.5	450	43.4	9,970	10,160	107	105	4	4
40'	159	81.7	450	48.9	11,080	11,360	122	120	4	4	159	81.5	450	48.8	11,080	11,390	122	120	4	4
45'	179	91.7	450	54.3	12,200	12,580	138	135	4	4	179	91.5	450	54.2	12,310	12,610	137	135	4	4
50'	199	101.7	450	59.7	13,510	13,890	153	150	4	4	199	101.5	450	59.6	13,430	13,840	153	150	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	FIXED PIER TO FIXED PIER									FIXED PIER TO EXPANSION 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.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②	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.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②	(PL) EXPANSION BEARING ASSEMBLY (EACH) ②
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS		
30'	119	60.0	450	36.5	8,270	8,440	91	89	8	119	59.8	450	36.4	8,350	8,550	91	89	4	4
35'	139	70.0	450	41.8	9,370	9,670	106	104	8	139	69.8	450	41.8	9,580	9,780	106	104	4	4
40'	159	80.0	450	47.2	10,620	10,890	121	119	8	159	79.8	450	47.1	10,700	11,000	121	119	4	4
45'	179	90.0	450	52.6	11,720	12,120	137	134	8	179	89.8	450	52.5	11,930	12,230	136	134	4	4
50'	199	100.0	450	58.0	13,050	13,420	152	149	8	199	99.8	450	57.9	13,120	13,530	152	149	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	EXPANSION PIER TO EXPANSION 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.)		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ②
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	
30'	119	59.7	450	36.3	8,330	8,590	91	89	8
35'	139	69.7	450	41.7	9,560	9,810	106	104	8
40'	159	79.7	450	47.0	10,680	11,040	122	119	8
45'	179	89.7	450	52.4	11,910	12,260	137	134	8
50'	199	99.7	450	57.8	13,020	13,480	152	149	8

CONSTRUCTION JOINT SEAL QUANTITIES

ITEM	UNIT	EACH FIXED PIER
(SP) SEALER CRACK PREPARATION	L.F.	40.8
(SP) SEALER RESIN	GAL.	0.5

SEALED EXPANSION JOINT QUANTITY PER EXPANSION JOINT

DESCRIPTION	UNIT	TR4 W/ OPENINGS	TR4 W/O OPENINGS
SEALED EXPANSION JOINT	L.F.	43.2	41.8

BEARING ASSEMBLY STRUCTURAL STEEL QUANTITIES PER SPAN

SPAN	FIXED BEARING TO FIXED BEARING	FIXED BEARING TO EXPANSION BEARING		EXPANSION BEARING TO EXPANSION BEARING
	FIXED BEARING ASSEMBLIES (LB.)	FIXED BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)	EXPANSION BEARING ASSEMBLIES (LB.)
30'	1,240	620	620	1,240
35'	1,240	620	620	1,240
40'	1,320	660	660	1,320
45'	1,400	700	700	1,400
50'	1,480	740	740	1,480

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 Provide and install Bearing Assemblies of the size, shape and location as detailed in the plans. See schedule for estimated total of structural steel per span per Bearing Assembly type. Include all costs associated with providing and installing the Elastomeric Pads, Anchor Plates, Contact Plates, Contact Angles 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 FIXED BEARING ASSEMBLIES or EXPANSION BEARING ASSEMBLIES as applicable.

APPROVED BY BRIDGE ENGINEER Chad J. Kuck DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

SUPERSTRUCTURE QUANTITIES TYPE II P.C. BEAMS CONVENTIONAL

1999 SPECIFICATIONS	B40-C-SPR-QUAN-PCB-II	02E

B-405E