SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	ABUTMENT TO FIXED PIER										ABUTMENT TO EXPANSION 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 (LB.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH) ③	FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③	PRESTRESSED CONCRETE BEAMS (TYPE C) (L.F.)	CONCRETE RAIL (TR4) (L.F.)	STRUCTURAL STEEL (LB.)	CLASS AA CONCRETE (C.Y.)	EPOXY COATED REINFORCING STEEL (LB.) ②		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		(PL) FIXED BEARING ASSEMBLY (EACH) ③	(PL) EXPANSION BEARING ASSEMBLY (EACH) ③
					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		
45'	179	91.7	450	55.6	12,180	12,560	145	142	4	4	179	91.5	450	55.4	12,300	12,590	145	142	4	4
50'	199	101.7	450	61.0	13,490	13,870	161	158	4	4	199	101.5	450	60.9	13,410	13,820	161	158	4	4
55'	219	111.7	450	66.5	14,610	15,090	177	174	4	4	219	111.5	450	66.4	14,800	15,200	177	174	4	4
60'	239	121.7	450	72.0	15,840	16,320	193	189	4	4	239	121.5	450	71.9	15,920	16,430	193	189	4	4
65'	259	131.7	450	77.4	16,950	17,540	209	205	4	4	259	131.5	450	77.3	17,150	17,650	209	205	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	FIXED PIER TO FIXED PIER									FIXED PIER TO EXPANSION 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 (LB.) ①		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③	PRESTRESSED CONCRETE BEAMS (TYPE C) (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) ③	(PL) EXPANSION BEARING ASSEMBLY (EACH) ③
					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		
45'	179	90.0	450	54.0	11,700	12,100	144	141	8	179	89.8	450	53.9	11,910	12,210	144	141	4	4
50'	199	100.0	450	59.4	13,030	13,400	160	157	8	199	99.8	450	59.3	13,110	13,520	160	157	4	4
55'	219	110.0	450	64.9	14,130	14,630	176	173	8	219	109.8	450	64.8	14,340	14,740	176	173	4	4
60'	239	120.0	450	70.4	15,380	15,850	192	188	8	239	119.8	450	70.3	15,450	15,970	192	188	4	4
65'	259	130.0	450	75.8	16,470	17,080	208	204	8	259	129.8	450	75.7	16,690	17,190	208	204	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN

SPAN	EXPANSION PIER TO EXPANSION 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 (LB.) ②		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED OR EXPANSION BEARING ASSEMBLY (EACH) ③
					TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	
45'	179	89.7	450	53.7	11,890	12,240	144	141	8
50'	199	99.7	450	59.2	13,010	13,470	160	157	8
55'	219	109.7	450	64.7	14,400	14,850	176	173	8
60'	239	119.7	450	70.2	15,510	16,080	192	188	8
65'	259	129.7	450	75.6	16,750	17,300	208	204	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.)
45'	1,240	620	620	1,240
50'	1,320	660	660	1,320
55'	1,360	680	680	1,360
60'	1,400	700	700	1,400
65'	1,420	710	710	1,420

① 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.

② Quantity includes provision for laps required in longitudinal reinforcing as follows:
55' thru 65' Spans - 1 lap

③ 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 [signature] DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

SUPERSTRUCTURE QUANTITIES TYPE C P.C. BEAMS CONVENTIONAL

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

B-408E