

- ① Quantity includes provision for laps required in longitudinal reinforcing as follows:
95' thru 115' Spans - 1 lap
120' and 130' Spans - 2 laps
- ② Quantity includes provision for laps required in longitudinal reinforcing as follows:
95' thru 105' Spans - 1 1/2 laps
110' thru 130' Spans - 2 laps
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.
- 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 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.
- 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.

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.)
760	380	900	1,800

SUPERSTRUCTURE QUANTITIES PER SPAN										
SPAN	ABUTMENT TO ABUTMENT									
	PRESTRESSED CONCRETE BEAMS (TYPE J) (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) ③
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS	
95'	379	424.4	191.0	600	174.6	29,610	30,500	443	436	8
100'	399	446.7	201.0	600	180.3	30,840	31,720	463	456	8
105'	419	468.9	211.0	600	186.0	31,950	32,950	483	476	8
110'	439	491.1	221.0	600	191.7	33,190	34,170	503	496	8
115'	459	513.3	231.0	600	197.4	34,300	35,400	524	516	8
120'	479	535.6	241.0	600	203.1	35,690	36,780	544	536	8
125'	499	557.8	251.0	600	208.8	36,810	38,010	565	556	8
130'	519	580.0	261.0	600	214.5	38,040	39,230	585	576	8

SUPERSTRUCTURE QUANTITIES PER SPAN												
SPAN	ABUTMENT TO PIER											
	PRESTRESSED CONCRETE BEAMS (TYPE J) (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.) ②		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		FIXED BEARING ASSEMBLY (EACH) ③	EXPANSION BEARING ASSEMBLY (EACH) ④	ELASTOMERIC BEARING PADS (EACH) ⑤
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS			
95'	379	427.8	190.5	900	149.5	28,820	29,610	414	408	4	4	4
100'	399	450.0	200.5	900	155.2	30,060	30,840	434	428	4	4	4
105'	419	472.2	210.5	900	160.9	31,170	32,060	455	448	4	4	4
110'	439	494.4	220.5	900	166.6	32,490	33,370	475	468	4	4	4
115'	459	516.7	230.5	900	172.3	33,600	34,590	496	488	4	4	4
120'	479	538.9	240.5	900	178.0	34,840	35,820	516	508	4	4	4
125'	499	561.1	250.5	900	183.7	35,940	37,040	537	528	4	4	4
130'	519	583.3	260.5	900	189.4	37,190	38,270	557	548	4	4	4

SUPERSTRUCTURE QUANTITIES PER SPAN											
SPAN	PIER TO PIER										
	PRESTRESSED CONCRETE BEAMS (TYPE J) (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.) ②		WATER REPELLENT (VISUALLY INSPECTED) (S.Y.)		EXPANSION BEARING ASSEMBLY (EACH) ④	ELASTOMERIC BEARING PADS (EACH) ⑤
						TR4 W/ OPENINGS	TR4 W/O OPENINGS	TR4 W/ OPENINGS	TR4 W/O OPENINGS		
95'	379	422.2	190.0	1,200	124.4	27,990	28,660	386	380	8	8
100'	399	444.4	200.0	1,200	130.1	29,110	29,890	406	400	8	8
105'	419	466.7	210.0	1,200	135.8	30,340	31,110	427	420	8	8
110'	439	488.9	220.0	1,200	141.5	31,530	32,420	447	440	8	8
115'	459	511.1	230.0	1,200	147.2	32,770	33,640	468	460	8	8
120'	479	533.3	240.0	1,200	152.9	33,880	34,870	488	480	8	8
125'	499	555.6	250.0	1,200	158.6	35,110	36,090	508	500	8	8
130'	519	577.8	260.0	1,200	164.3	36,230	37,320	528	520	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 J P.C. BEAMS
INTEGRAL

2009 SPECIFICATIONS | B40-I-SPR-QUAN-PCB-J | 03E
B-211E