DIAPHRAGMS, BEARINGS AND SUPERSTRUCTURE QUANTITIES (1)

PRECAST CONCRETE BEAMS

BEAM TYPE	INTEGRAL	CONVENTIONAL
TYPE II	B40-I-ADIA-PC2-1 B-171E B40-I-ADIA-PC2-2 B-172E B40-I-DIA-PCB B-190E B40-I-BRG-PC2 B-195E B40-I-SPR-QUAN-PCB-II B-205E	B40-C-DIA-END-PC234-1 B-371E B40-C-DIA-END-PC234-2 B-372E B40-C-DIA-INT-PCB B-375E B40-C-BRG-PC2 B-395E B40-C-SPR-QUAN-PCB-II B-405E
TYPE B	B40-I-ADIA-PC2-1 B-171E B40-I-ADIA-PC2-2 B-172E B40-I-DIA-PCB B-190E B40-I-BRG-PC2 B-195E B40-I-SPR-QUAN-PCB-B B-206E	B40-C-DIA-END-PC234-1 B-371E B40-C-DIA-END-PC234-2 B-372E B40-C-DIA-INT-PCB B-375E B40-C-BRG-PC2 B-395E B40-C-SPR-QUAN-PCB-B B-406E
TYPE III	B40-I-ADIA-PC3-1 B-173E B40-I-ADIA-PC3-2 B-174E B40-I-DIA-PCB B-190E B40-I-BRG-PC3 B-196E B40-I-SPR-QUAN-PCB-III B-207E	B40-C-DIA-END-PC234-1 B-371E B40-C-DIA-END-PC234-2 B-372E B40-C-DIA-INT-PCB B-375E B40-C-BRG-PC3 B-396E B40-C-SPR-QUAN-PCB-III B-407E
TYPE C	B40-I-ADIA-PC3-1 B-173E B40-I-ADIA-PC3-2 B-174E B40-I-DIA-PCB B-190E B40-I-BRG-PC3 B-196E B40-I-SPR-QUAN-PCB-C B-208E	B40-C-DIA-END-PC234-1 B-371E B40-C-DIA-END-PC234-2 B-372E B40-C-DIA-INT-PCB B-375E B40-C-BRG-PC3 B-396E B40-C-SPR-QUAN-PCB-C B-408E
TYPE IV	B40-I-ADIA-PC4-1 B-175E B40-I-ADIA-PC4-2 B-176E B40-I-DIA-PCB B-190E B40-I-BRG-PC4BT B-197E B40-I-SPR-QUAN-PCB-IV B-209E	B40-C-DIA-END-PC234-1 B-371E B40-C-DIA-END-PC234-2 B-372E B40-C-DIA-INT-PCB B-375E B40-C-BRG-PC4BT B-397E B40-C-SPR-QUAN-PCB-IV B-409E
TYPE BT-72	B40-I-ADIA-PC5-1 B-177E B40-I-ADIA-PC5-2 B-178E B40-I-DIA-PCB B-190E B40-I-BRG-PC4BT B-197E B40-I-SPR-QUAN-PCB-BT B-210E	B40-C-DIA-END-PC5-1 B-373E B40-C-DIA-END-PC5-2 B-374E B40-C-DIA-INT-PCB B-375E B40-C-BRG-PC4BT B-397E B40-C-SPR-QUAN-PCB-BT B-410E
TYPE J	B40-I-ADIA-PC5-1 B-177E B40-I-ADIA-PC5-2 B-178E B40-I-DIA-PCB B-190E B40-I-BRG-PCJ B-198E B40-I-SPR-QUAN-PCB-J B-211E	B40-C-DIA-END-PC5-1 B-373E B40-C-DIA-END-PC5-2 B-374E B40-C-DIA-INT-PCB B-375E B40-C-BRG-PCJ B-398E B40-C-SPR-QUAN-PCB-J B-411E

ROLLED BEAMS

BEAM TYPE	INTEGRAL	CONVENTIONAL
30' thru 50' SPANS	B40-I-ADIA-RB-3050-1 B-179E B40-I-ADIA-RB-3050-2 B-180E B40-I-DIA-RB B-191E B40-I-BRG-RB B-199E B40-I-SPR-QUAN-RB B-212E	B40-C-DIA-RB-1 B-376E B40-C-DIA-RB-2 B-377E B40-C-BRG-RB B-399E B40-C-SPR-QUAN-RB-1 B-412E B40-C-SPR-QUAN-RB-2 B-413E
55' thru 100' SPANS	B40-I-ADIA-RB-55100-1 B-181E B40-I-ADIA-RB-55100-2 B-182E B40-I-DIA-RB B-191E B40-I-BRG-RB B-199E B40-I-SPR-QUAN-RB B-212E	B40-C-DIA-RB-1 B-376E B40-C-DIA-RB-2 B-377E B40-C-BRG-RB B-399E B40-C-SPR-QUAN-RB-1 B-412E B40-C-SPR-QUAN-RB-2 B-413E

APPROACH SLABS

COMPONENT	INTEGRAL	CONVENTIONAL
APPROACH SLAB	B40-I-AS B-216E	40-C-AS B-416E

CONCRETE TRAFFIC RAIL

RAIL TYPE	BEAM TYPE	INTEGRAL	CONVENTIONAL
WITH OPENINGS	TYPE II TYPE B TYPE III AND TYPE C	TR4-1 B-03E B40-I-TR4-0-PC23 B-219E	TR4-1 B-03E B40-C-TR4-0-1 B-419E B40-C-TR4-0-2 B-420E
	TYPE IV TYPE BT-72 AND TYPE J	TR4-1 B-03E B40-I-TR4-0-PC45 B-220E	
	ROLLED BEAMS	TR4-1 B-03E B40-I-TR4-0-RB B-221E	
WITHOUT OPENINGS	TYPE II TYPE B TYPE III AND TYPE C	TR4-1 B-03E B40-I-TR4-WO-PC23 B-225E	TR4-1 B-03E B40-C-TR4-WO B-421E
	TYPE IV TYPE BT-72 AND TYPE J	TR4-1 B-03E B40-I-TR4-WO-PC45 B-226E	
	ROLLED BEAMS	TR4-1 B-03E B40-I-TR4-WO-RB B-227E	

MISCELLANEOUS ITEMS

EXPANSION JOINT (2)	EJ-SQ B-08E or EJ-SK B-09E EJ-DTL B-10E
STEEL PILING	HP1-1 B-11E
JOINTS AND SEALERS	LECS-3 R-119E
PIPE UNDERDRAIN INSTALLATION	PUD-2 R-124E

(1) Clearly show in set of plans the locations of all Fixed and Expansion Bearings.
If angle between underside of girder and horizontal exceeds 1%, detail bevel requirements for Anchor Plates.

(2) Design Engineer to provide schedule of joint opening size required by the temperature at the time of setting the joint. Schedule will include joint openings at 1/8" increments with corresponding ambient air temperature at the time of setting from 0° to 120°. The nominal 2" joint opening will correspond to 60° for steel beams and to 43° for concrete beams.

APPROVED BY BRIDGE ENGINEER  DATE 10-10-05

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

REFERENCE GUIDE TO STANDARD SERIES B40 (SHEET 6 OF 6)

1999 SPECIFICATIONS	B40-GUIDE-6	02E
		B-20E