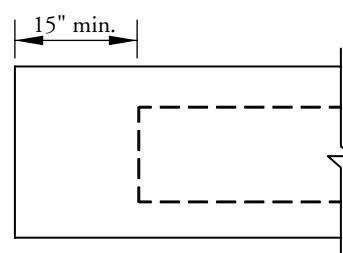
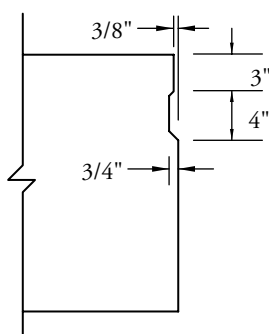
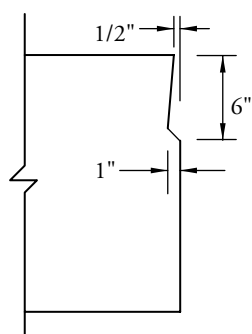
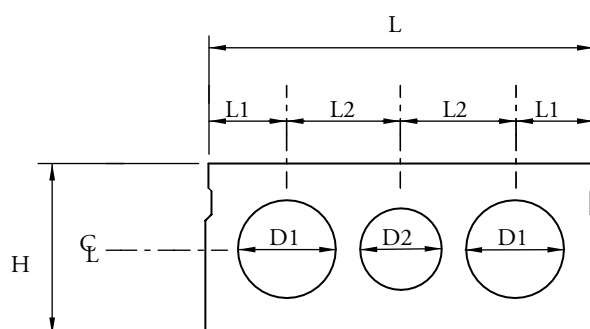


AASHTO/PCI STANDARD PRODUCTS*AASHTO Solid and Voids Slab Beams**AASHTO Solid and Voids Slab Beams*

Typical Keyway Details

Typical Longitudinal Section

Dimensions (inches)

Type	L	H	L1	L2	No. of Voids	D1	D2
SI-36	36	12	-	-	0	-	-
SII-36	36	15	10.5	7.5	2	8	-
SIII-36	36	18	10.5	7.5	2	10	-
SIV-36	36	21	10.0	8.0	2	12	-
SI-48	48	12	-	-	0	-	-
SII-48	48	15	10.0	14.0	3	8	8
SIII-48	48	18	9.5	14.5	3	10	10
SIV-48	48	21	10.0	14.0	3	12	10

Properties

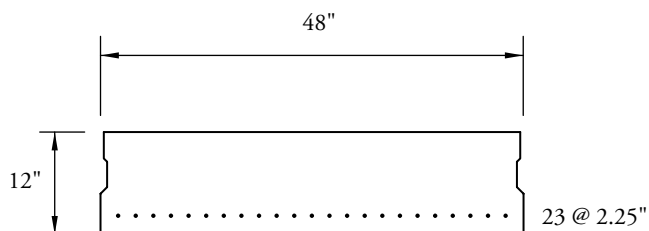
Type	Area in. ²	y _{bottom} in.	Inertia in. ⁴	Weight kip/ft	Max. Span* ft
SI-36	432	6.0	5,184	0.450	40
SII-36	439	7.5	9,725	0.457	47
SIII-36	491	9.0	16,514	0.511	52
SIV-36	530	10.5	25,747	0.552	57
SI-48	576	6.0	6,912	0.600	42
SII-48	569	7.5	12,897	0.593	49
SIII-48	628	9.0	21,855	0.654	53
SIV-48	703	10.5	34,517	0.732	57

*Based on simple span, HS-25 loading and $f'_c = 7,000$ psi. See chapter 6 for more information.

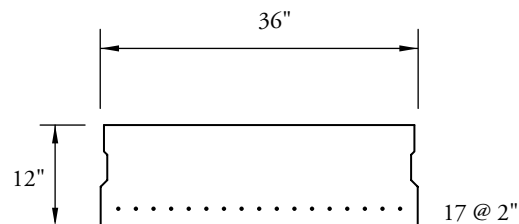
AASHTO/PCI STANDARD PRODUCTS

AASHTO Solid and Voided Slab Beams

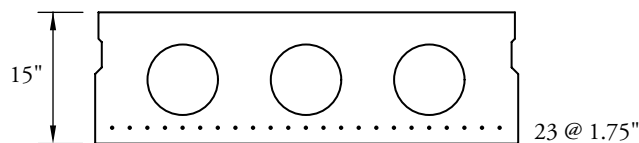
AASHTO Solid and Voided Slab Beams



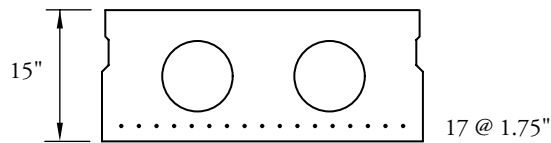
Type SI-48



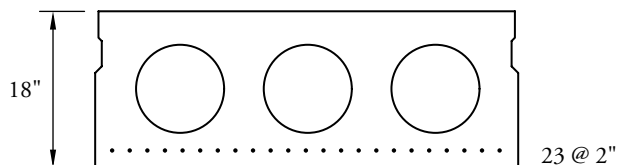
Type SI-36



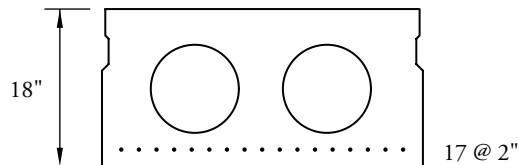
Type SII-48



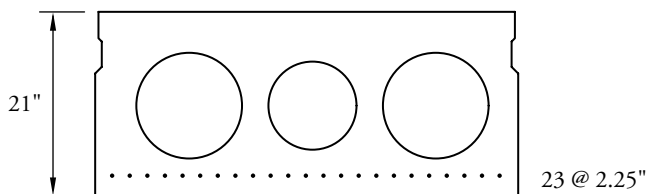
Type SII-36



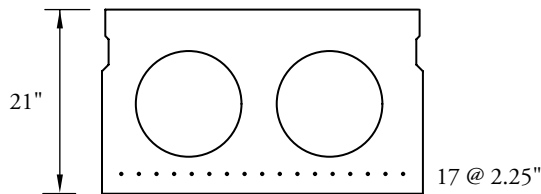
Type SIII-48



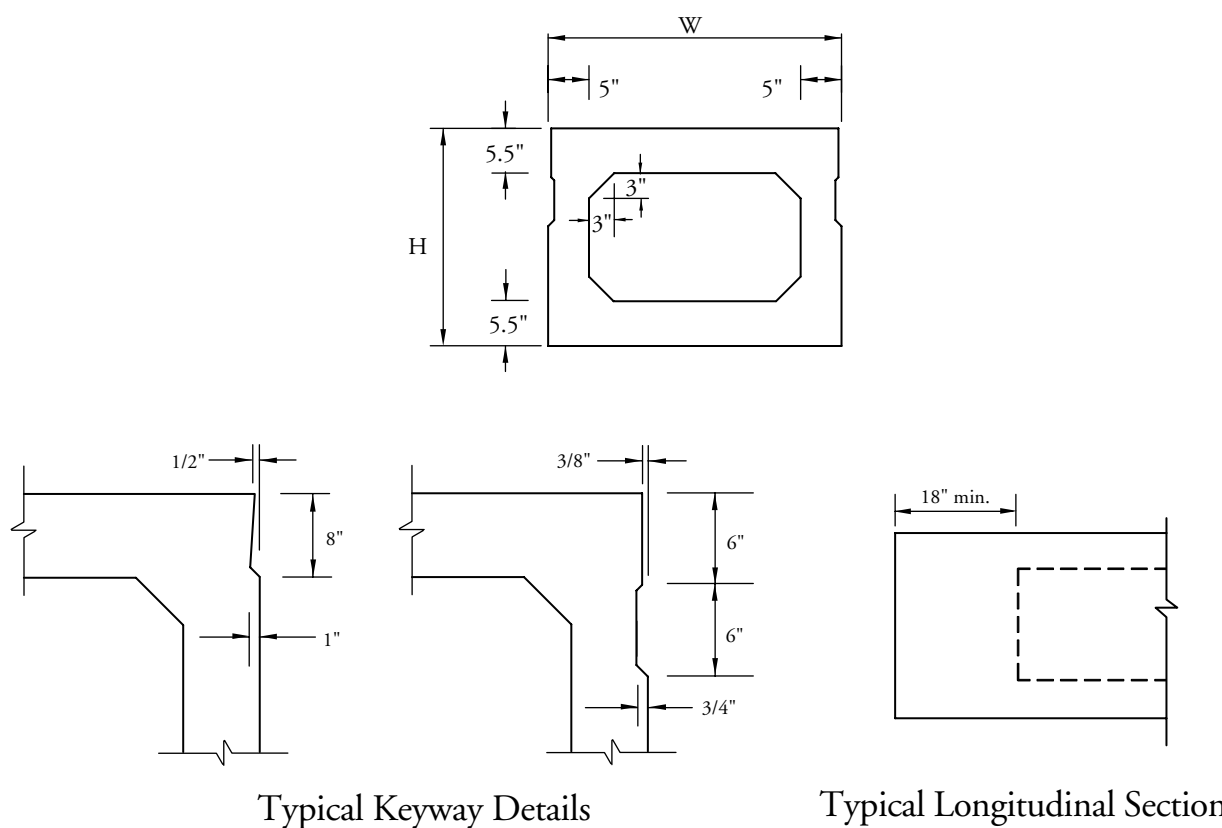
Type SIII-36



Type IV-48



Type IV-36

AASHTO/PCI STANDARD PRODUCTS**AASHTO Box Beams***AASHTO Box Beams*

Typical Keyway Details

Typical Longitudinal Section

Dimensions (inches)

Type	W	H
BI-36	36	27
BI-48	48	27
BII-36	36	33
BII-48	48	33
BIII-36	36	39
BIII-48	48	39
BIV-36	36	42
BIV-48	48	42

Properties

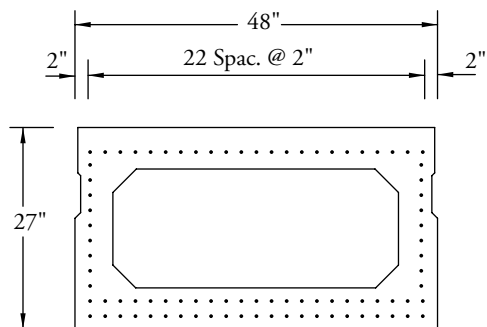
Type	Area in. ²	y_{bottom} in.	Inertia in. ⁴	Weight kip/ft	Max. Span* ft
BI-36	560.5	13.35	50,334	0.584	92
BI-48	692.5	13.37	65,941	0.721	92
BII-36	620.5	16.29	85,153	0.646	107
BII-48	752.5	16.33	110,499	0.784	108
BIII-36	680.5	19.25	131,145	0.709	120
BIII-48	812.5	19.29	168,367	0.846	125
BIV-36	710.5	20.73	158,644	0.740	124
BIV-48	842.5	20.78	203,088	0.878	127

*Based on simple span, HS-25 loading and $f'_c = 7,000$ psi. See chapter 6 for more information.

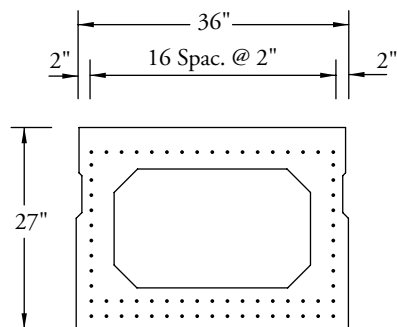
AASHTO/PCI STANDARD PRODUCTS

AASHTO Box Beams

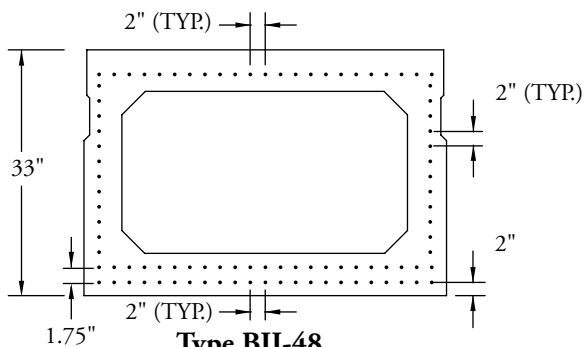
AASHTO Box Beams



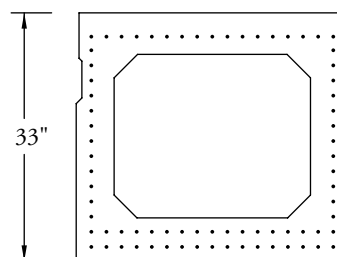
Type BI-48



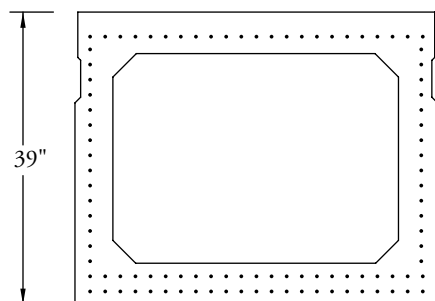
Type BI-36



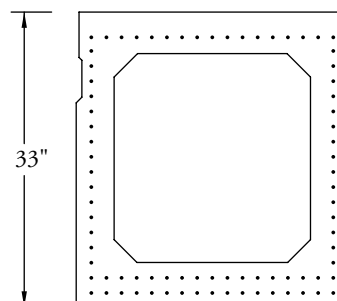
Type BII-48



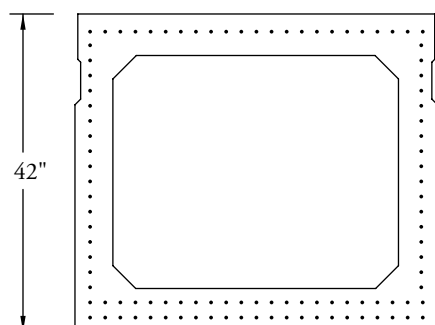
Type BII-36



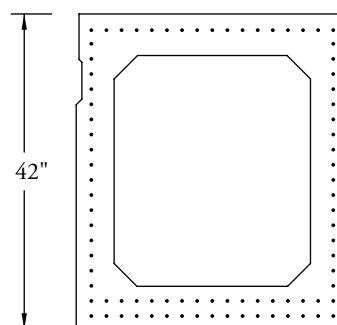
Type BIII-48



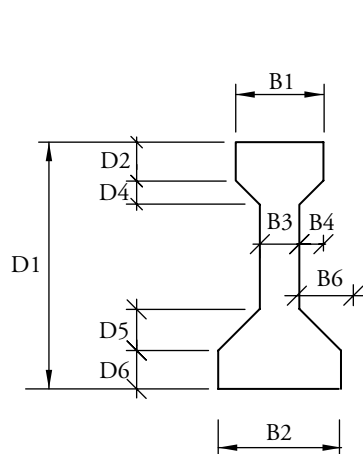
Type BIII-36



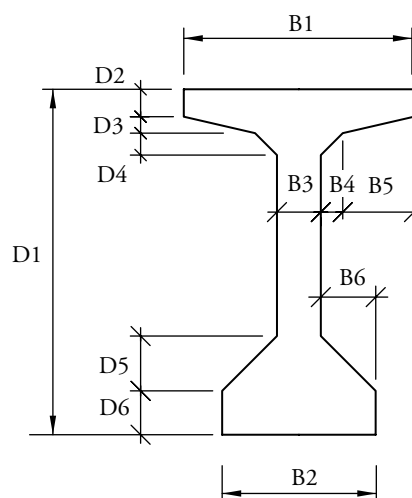
Type BIV-48



Type BIV-36

AASHTO/PCI STANDARD PRODUCTS*AASHTO I-Beams**AASHTO I-Beams*

Type I-IV



Type V-VI

Dimensions (inches)

Type	D1	D2	D3	D4	D5	D6	B1	B2	B3	B4	B5	B6
I	28.0	4.0	0.0	3.0	5.0	5.0	12.0	16.0	6.0	3.0	0.0	5.0
II	36.0	6.0	0.0	3.0	6.0	6.0	12.0	18.0	6.0	3.0	0.0	6.0
III	45.0	7.0	0.0	4.5	7.5	7.0	16.0	22.0	7.0	4.5	0.0	7.5
IV	54.0	8.0	0.0	6.0	9.0	8.0	20.0	26.0	8.0	6.0	0.0	9.0
V	63.0	5.0	3.0	4.0	10.0	8.0	42.0	28.0	8.0	4.0	13.0	10.0
VI	72.0	5.0	3.0	4.0	10.0	8.0	42.0	28.0	8.0	4.0	13.0	10.0

Properties

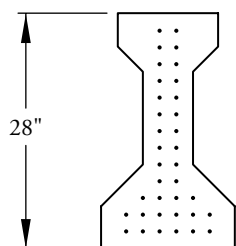
Type	Area in. ²	y_{bottom} in.	Inertia in. ⁴	Weight kip/ft	Maximum Span,* ft
I	276	12.59	22,750	0.287	48
II	369	15.83	50,980	0.384	70
III	560	20.27	125,390	0.583	100
IV	789	24.73	260,730	0.822	120
V	1,013	31.96	521,180	1.055	145
VI	1,085	36.38	733,320	1.130	167

*Based on simple span, HS-25 loading and $f'_c = 7,000$ psi. See chapter 6 for more information.

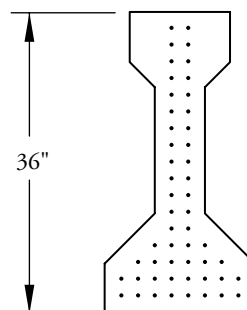
AASHTO/PCI STANDARD PRODUCTS

AASHTO I-Beams

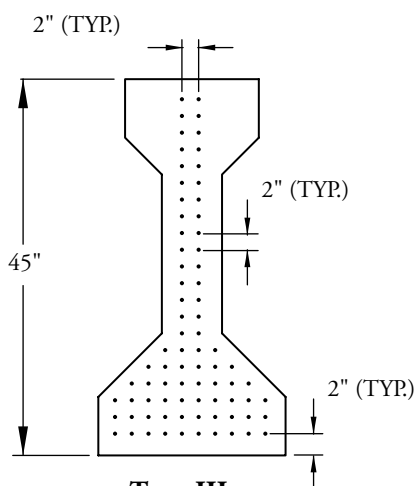
AASHTO I-Beams



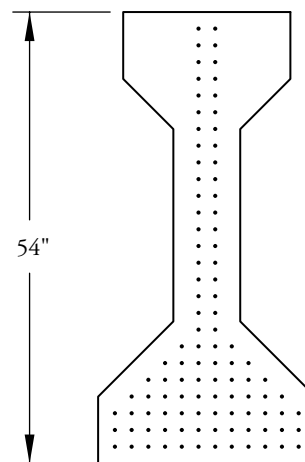
Type I



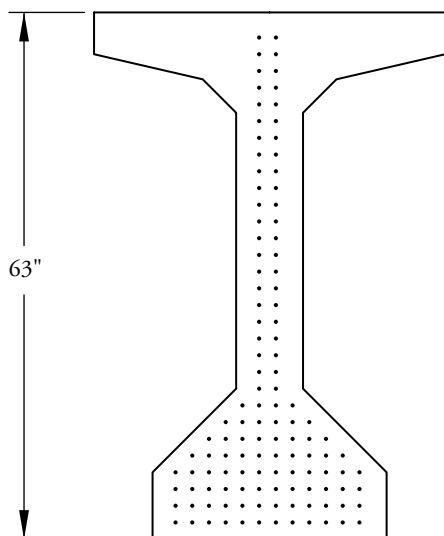
Type II



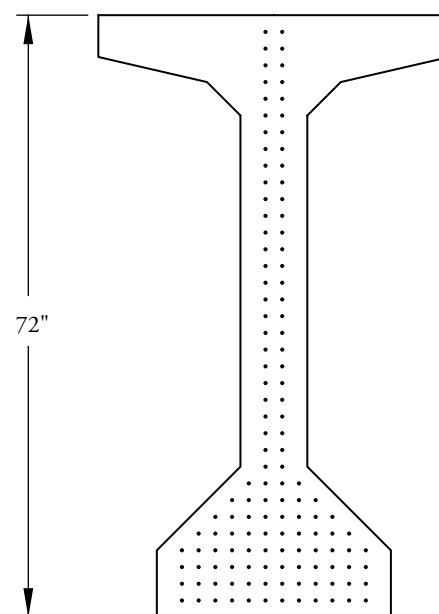
Type III



Type IV



Type V

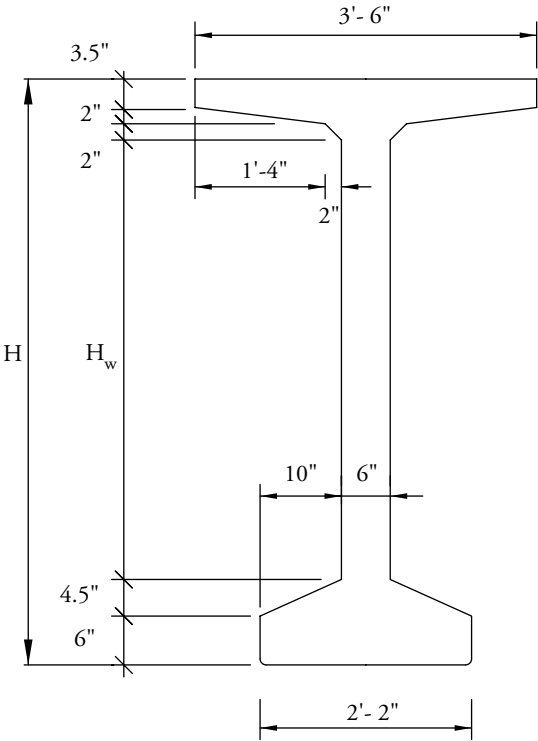


Type VI

AASHTO/PCI STANDARD PRODUCTS

AASHTO-PCI Bulb-Tees

AASHTO-PCI Bulb-Tees



Properties

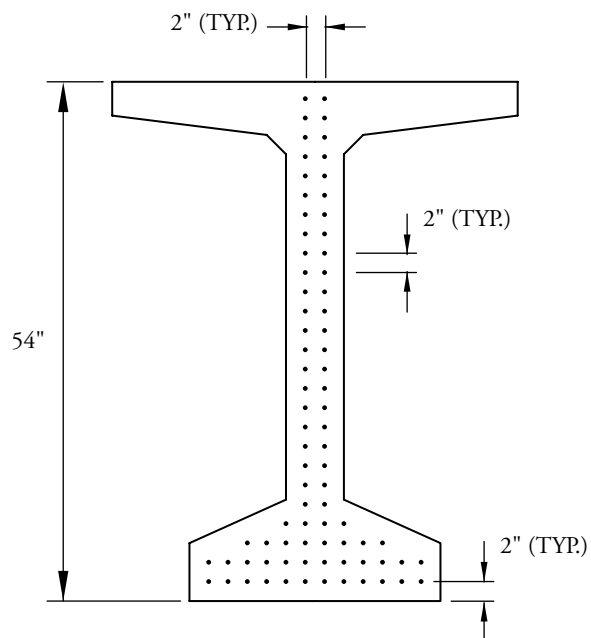
Type	H in.	H _w in.	Area in. ²	Inertia in. ⁴	y _{bottom} in.	Weight kip/ft	Maximum Span,* ft
BT-54	54	36	659	268,077	27.63	0.686	114
BT-63	63	45	713	392,638	32.12	0.743	130
BT-72	72	54	767	545,894	36.60	0.799	146

*Based on simple span, HS-25 loading and $f'_c = 7,000$ psi. See chapter 6 for more information.

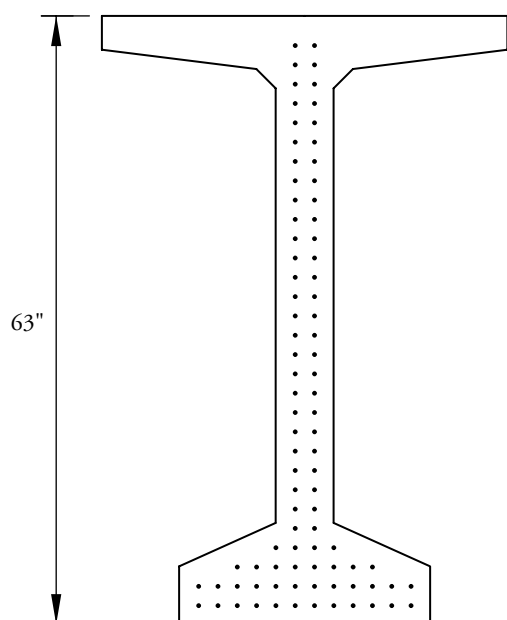
AASHTO/PCI STANDARD PRODUCTS

AASHTO-PCI Bulb-Tees

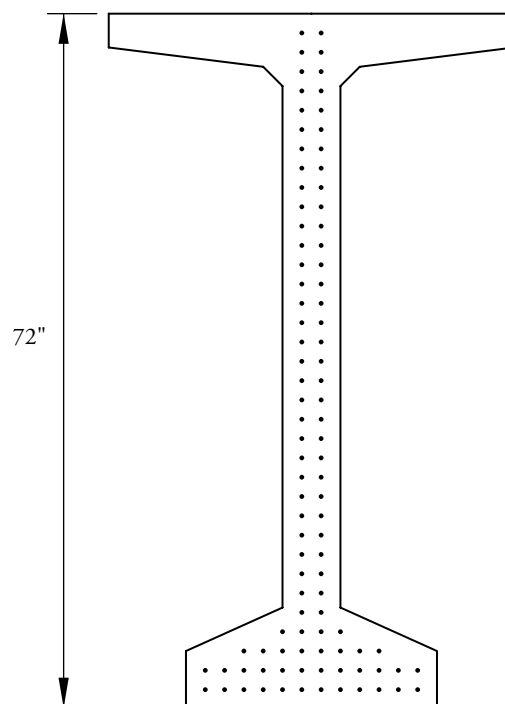
AASHTO-PCI Bulb-Tees



BT-54



BT-63

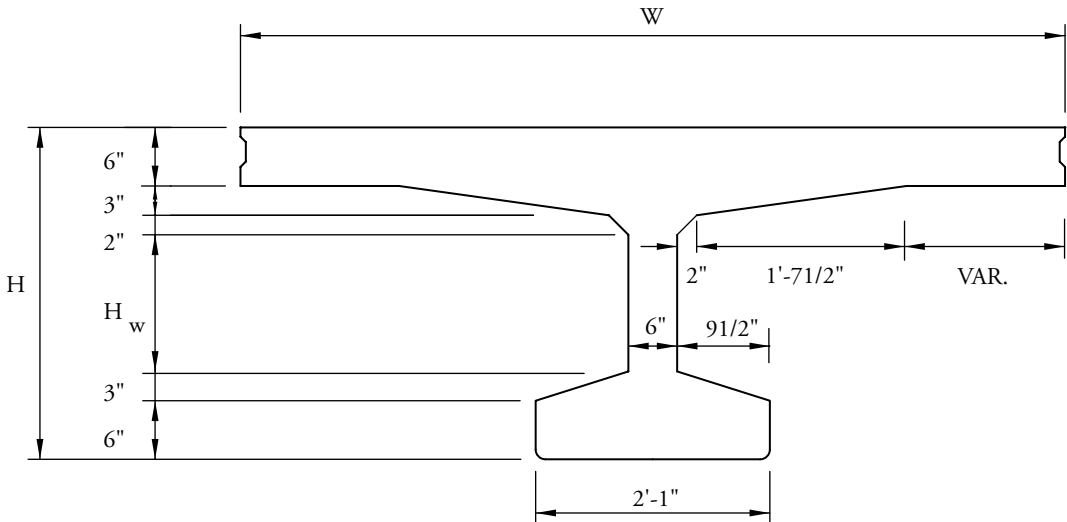


BT-72

AASHTO/PCI STANDARD PRODUCTS

Deck Bulb-Tees

Deck Bulb-Tees



Dimensions and Properties

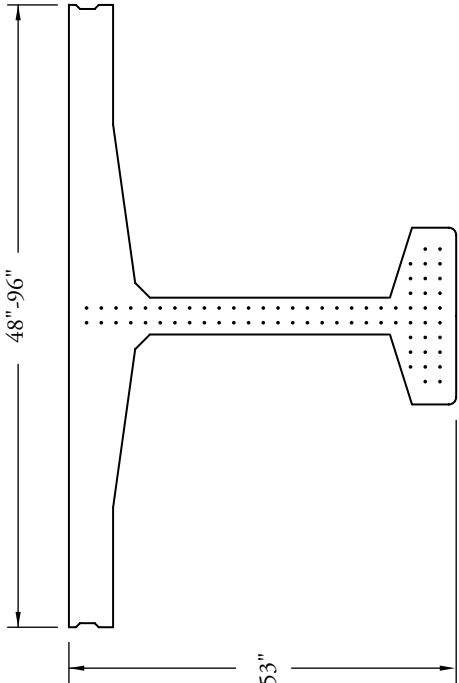
H in.	H _w in.	W in.	Area in. ²	Inertia in. ⁴	y _{bottom} in.	Weight kip/ft	Maximum Span* ft
35	15	48	677	101,540	21.12	0.75	100
		72	823	116,071	23.04	0.91	78
		96	967	126,353	24.37	1.07	65
53	33	48	785	294,350	31.71	0.87	145
		72	931	335,679	34.56	1.03	121
		96	1,075	365,827	36.63	1.19	105
65	45	48	857	490,755	38.55	0.95	168
		72	1,003	559,367	41.95	1.11	148
		96	1,147	610,435	44.46	1.27	130

*Based on simple span, HS-25 loading and $f'_c = 7,000$ psi. See chapter 6 for more information.

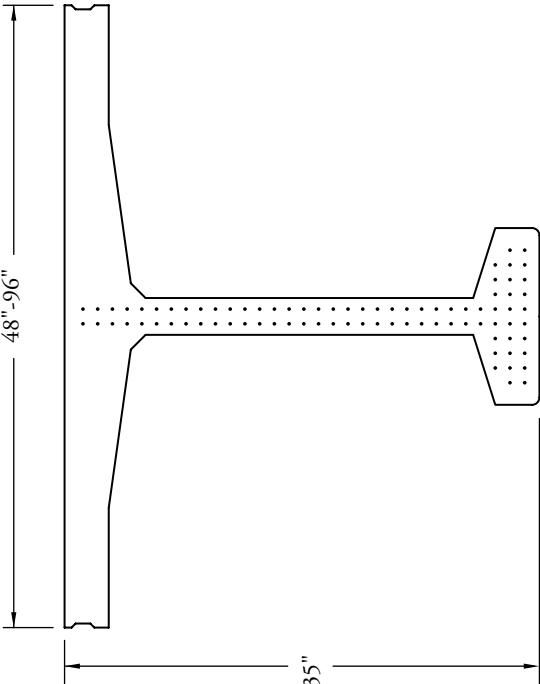
AASHTO/PCI STANDARD PRODUCTS

Deck Bulb-Tees

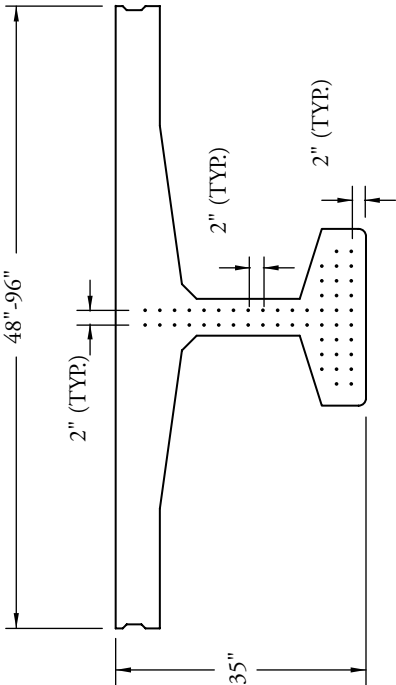
Deck Bulb-Tees



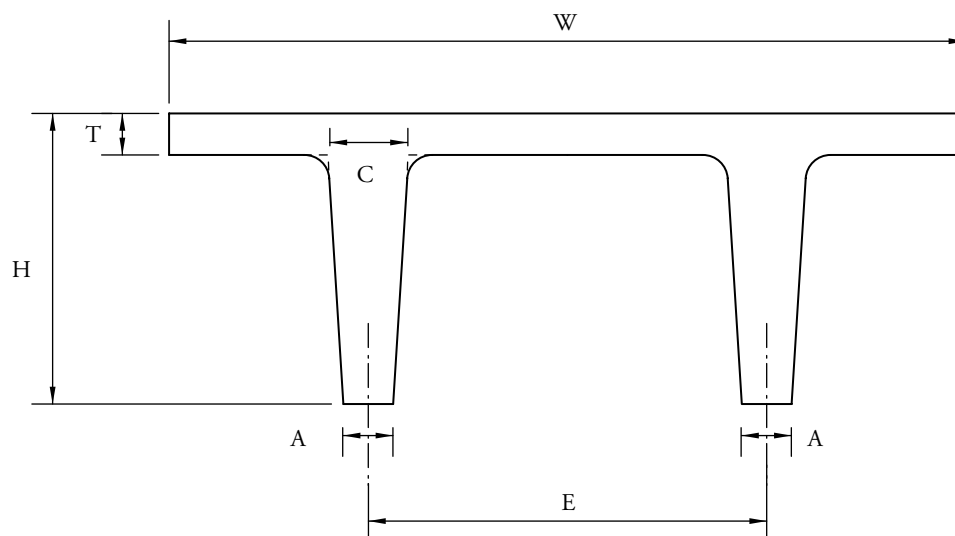
Deck BT-53



Deck BT-65



Deck BT-35

AASHTO/PCI STANDARD PRODUCTS*Double Tee Beams**Double Tee Beams***Light Sections**

W ft	H in.	T in.	A in.	C in.	E in.	Area in. ²	Inertia in. ⁴	y _{bottom} in.	Weight kip/ft	Maximum Span* ft
5	27	5	4.50	8.00	36	575	33,740	18.60	0.599	40
6	23	5	4.50	6.50	36	558	21,366	16.61	0.582	30
6	27	5	4.50	8.00	36	635	35,758	19.15	0.662	37
8	27	5	3.75	5.75	48	689	32,888	20.64	0.718	40
8	35	5	3.75	6.50	48	787	72,421	26.20	0.820	35

Heavy Sections

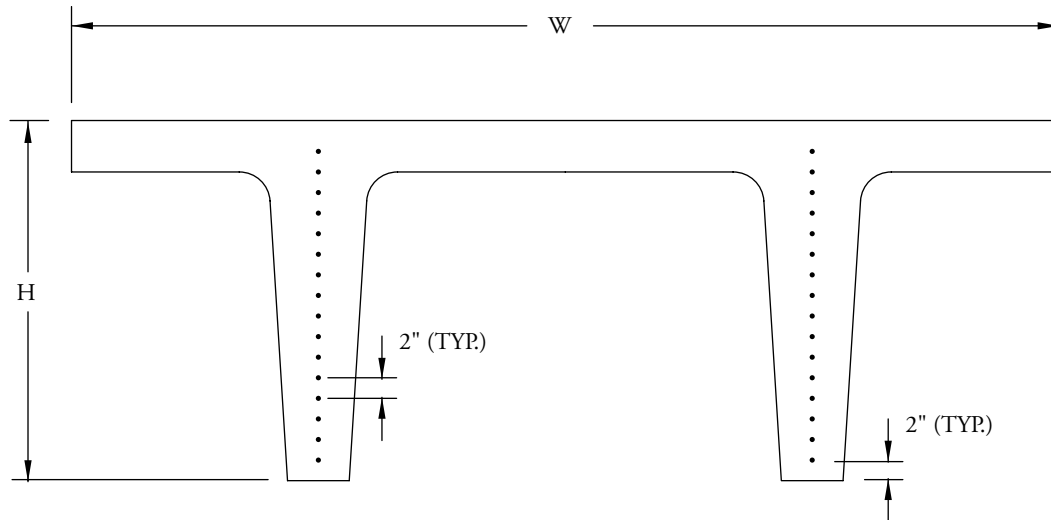
W ft	H in.	T in.	A in.	C in.	E in.	Area in. ²	Inertia in. ⁴	y _{bottom} in.	Weight kip/ft	Maximum Span* ft
5	36	6	6.00	8.00	30	780	90,286	23.69	0.812	87
6	35	5	6.00	9.75	48	840	90,164	23.30	0.876	70
7	35	5	6.00	9.75	48	900	95,028	23.91	0.938	64
8	35	5	6.00	9.75	48	960	99,299	24.45	1.001	62
6	27	5	7.00	9.75	48	731	45,084	18.09	0.761	52
7	27	5	7.00	9.75	48	791	47,486	18.58	0.824	47
8	27	5	7.00	9.75	48	851	49,566	19.00	0.886	45
6	21	5	7.75	9.75	48	644	22,720	14.11	0.671	37
7	21	5	7.75	9.75	48	704	23,903	14.48	0.733	35
8	21	5	7.75	9.75	48	764	24,920	14.80	0.796	32

*Based on simple span, HS-25 loading and $f'_c = 7,000$ psi. See chapter 6 for more information.

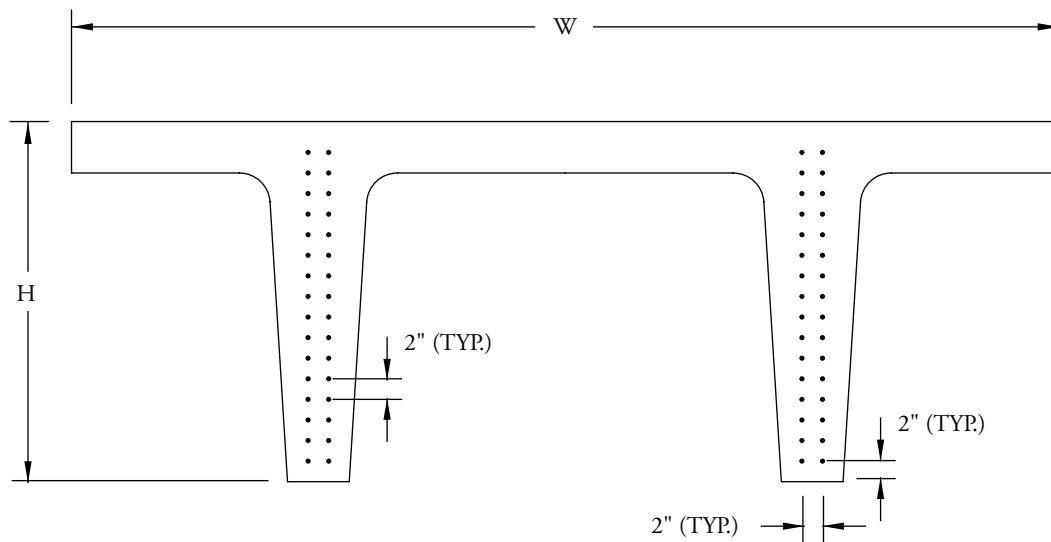
AASHTO/PCI STANDARD PRODUCTS

Double Tee Beams

Double Tee Beams



Light Sections



Heavy Sections

AASHTO-PCI-ASBI Standard Segment For Span-By-Span Construction

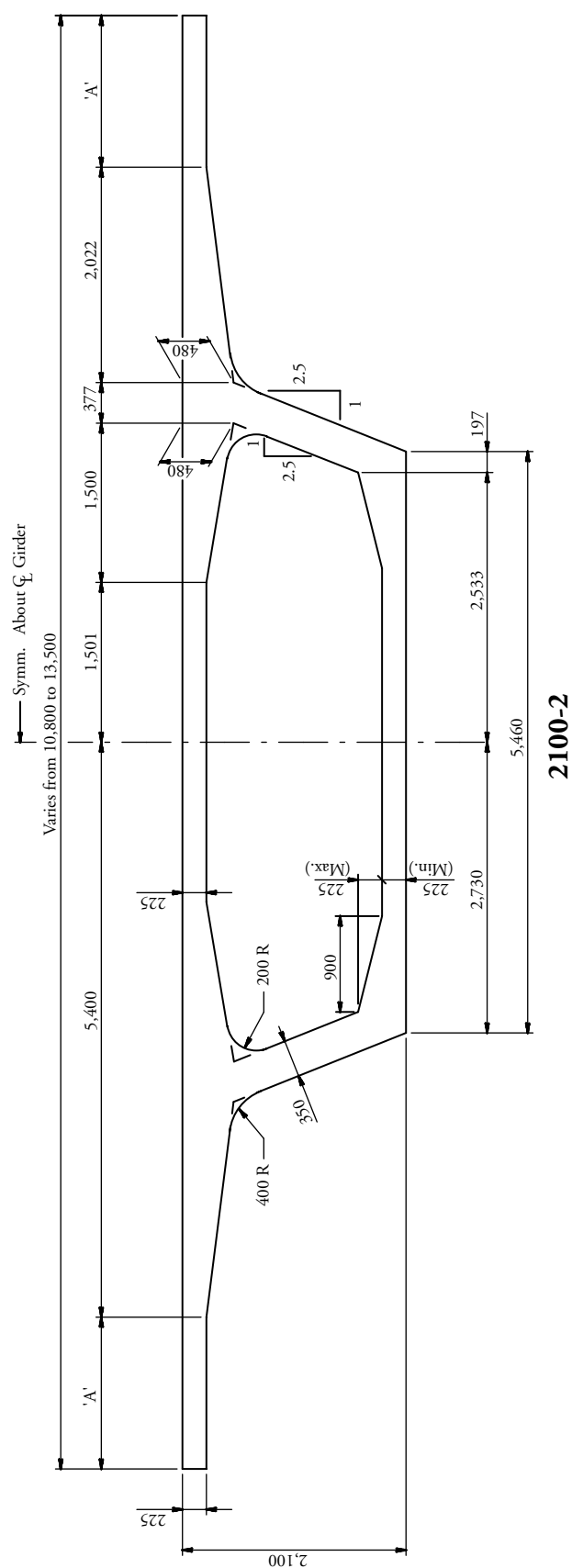
Technical drawing of a C-channel section, symmetrical about the y-axis. The section has a total height of 2,100 and a total width of 4,260. The top flange is 480 wide and 2.5 thick. The web is 225 thick. The bottom flange is 480 wide and 2.5 thick. The section is divided into three main parts: a top flange (4,200 wide), a central web (2,130 wide), and a bottom flange (1,960 wide). The top flange has a 200 R radius at the corner. The bottom flange has a 400 R radius at the corner. The section is symmetrical about the y-axis, which is located 11,400 from the left edge and 8,400 from the right edge. The section is labeled 'C' and 'A'.

2100-1

Deck Width mm	'A' mm	Area mm ²	Wt/3,000 mm Kn	I _x m ⁴	Y _t mm
8,400	0	4,916,000	360	2,967	799
8,700	150	4,984,000	365	2,999	790
9,000	300	5,051,000	370	3,030	781
9,300	450	5,119,000	375	3,060	772
9,600	600	5,186,000	380	3,089	763
9,900	750	5,254,000	385	3,118	755
10,200	900	5,321,000	390	3,145	747
10,500	1,050	5,389,000	394	3,172	739
10,800	1,200	5,456,000	399	3,199	731
11,100	1,350	5,524,000	404	3,225	723
11,400	1,500	5,591,000	409	3,250	716

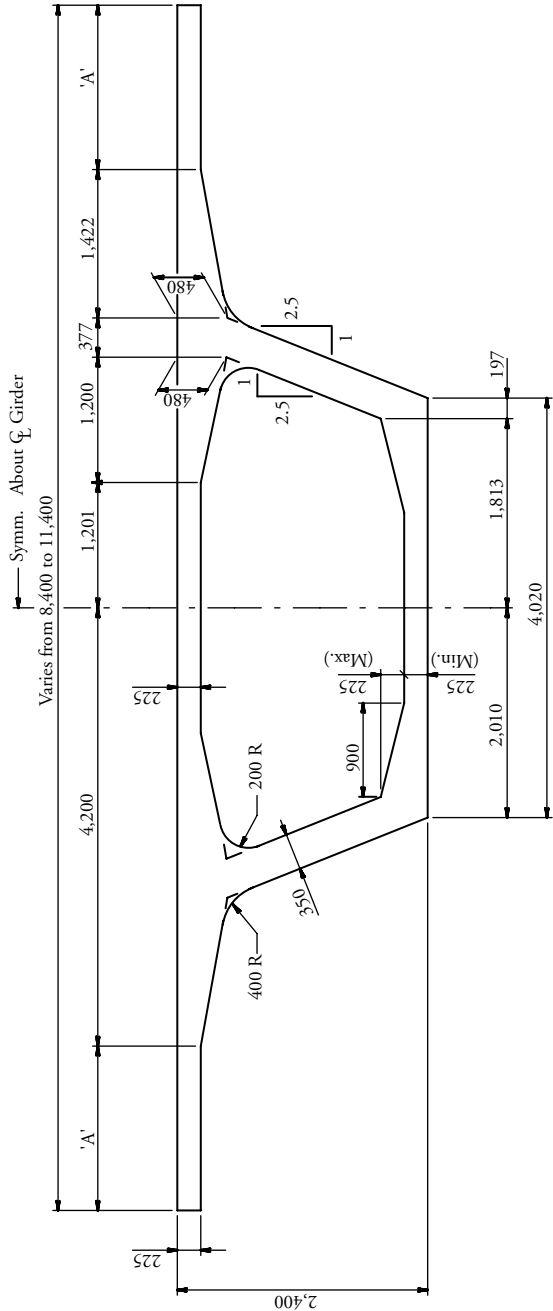
AASHTO-PCI-ASBI Standard Segment For Span-By-Span Construction

AASHTO-PCI-ASBI Standard Segment For Span-By-Span Construction



Deck Width mm	'A' mm	Area mm ²	Wt/3,000 mm Kn	I _x mm ⁴	Y _t mm
10,800	0	6,050,000	443	3,685	776
11,100	150	6,117,000	448	3,715	769
11,400	300	6,185,000	453	3,744	762
11,700	450	6,252,000	458	3,772	755
12,000	600	6,320,000	463	3,800	748
12,300	750	6,387,000	468	3,827	741
12,600	900	6,455,000	472	3,854	734
12,900	1,050	6,522,000	477	3,880	728
13,200	1,200	6,590,000	482	3,906	722
13,500	1,350	6,657,000	487	3,931	715

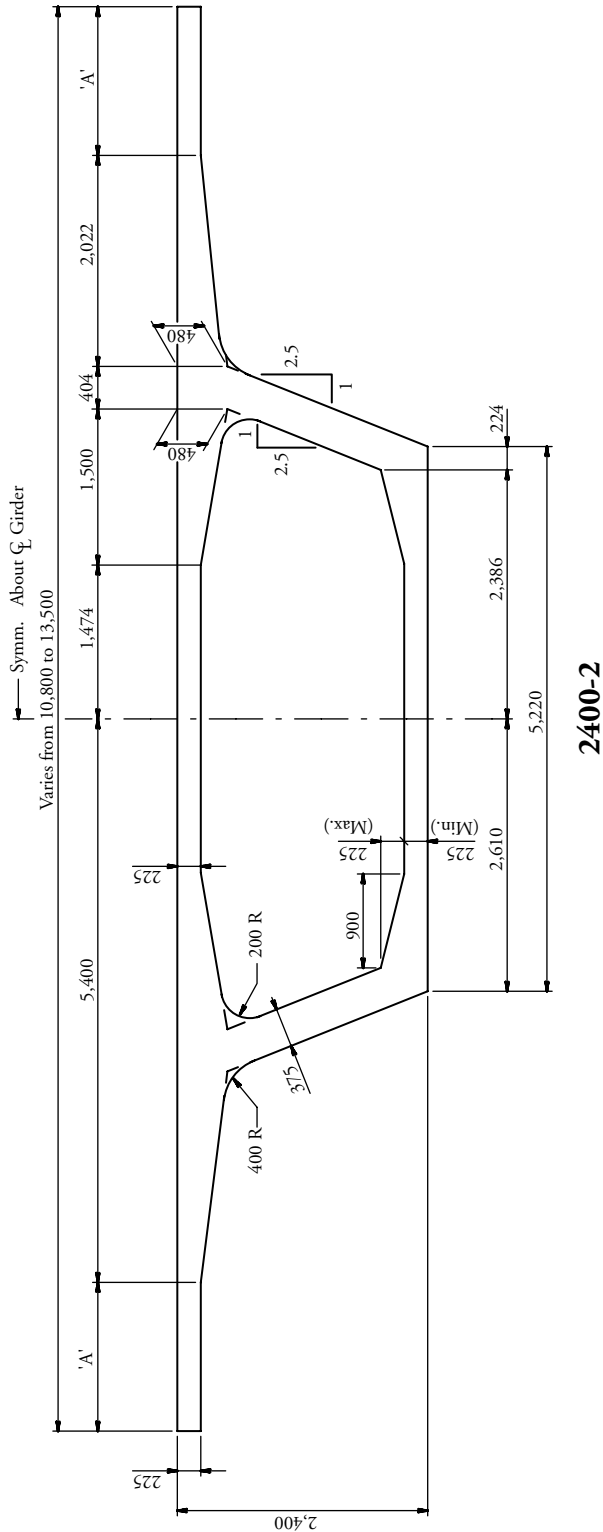
AASHTO-PCI-ASBI Standard Segment For Balanced Cantilever Construction Segment



2400-1

Deck Width mm	'A' mm	Area mm ²	Wt/3,000 mm Kn	I _x m ⁴	Y _t mm
8,400	0	5,177,000	379	4.064	908
8,700	150	5,245,000	384	4.107	898
9,000	300	5,312,000	389	4.148	888
9,300	450	5,380,000	394	4.188	878
9,600	600	5,447,000	399	4.228	869
9,900	750	5,515,000	404	4.266	859
10,200	900	5,582,000	409	4.304	850
10,500	1,050	5,650,000	414	4.340	841
10,800	1,200	5,717,000	419	4.376	833
11,100	1,350	5,785,000	423	4.411	824
11,400	1,500	5,852,000	428	4.445	816

AASHTO-PCI-ASBI Standard Segment For Balanced Cantilever Construction



Deck Width mm	'A' mm	Area mm ²	Wt/3,000 mm Kn	I _x m ⁴	Y _t mm
10,800	0	6,327,000	463	5.045	882
11,100	150	6,395,000	468	5.085	874
11,400	300	6,462,000	473	5.124	866
11,700	450	6,530,000	478	5.162	858
12,000	600	6,597,000	483	5.199	851
12,300	750	6,665,000	488	5.236	843
12,600	900	6,732,000	493	5.272	836
12,900	1,050	6,800,000	498	5.307	829
13,200	1,200	6,867,000	503	5.342	821
13,500	1,350	6,935,000	508	5.376	815