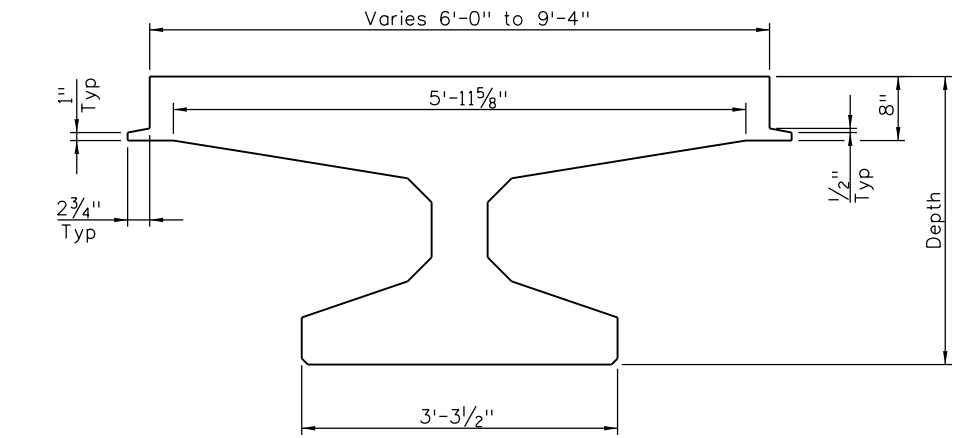


HALF DECKED GIRDER

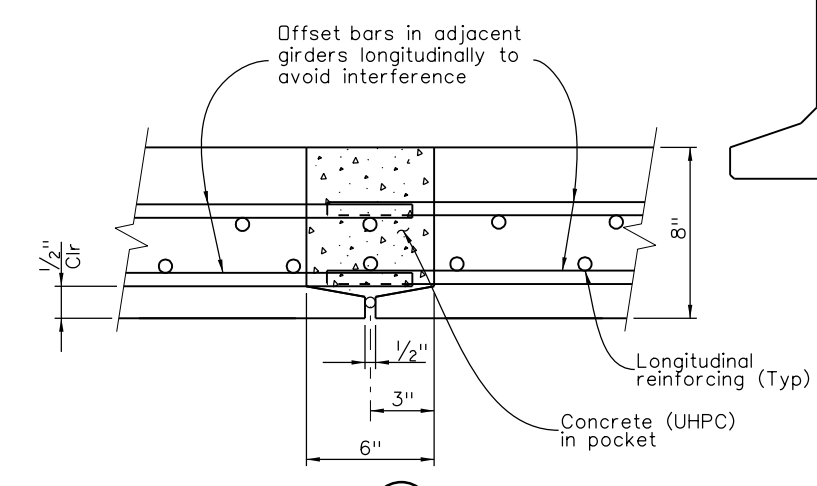
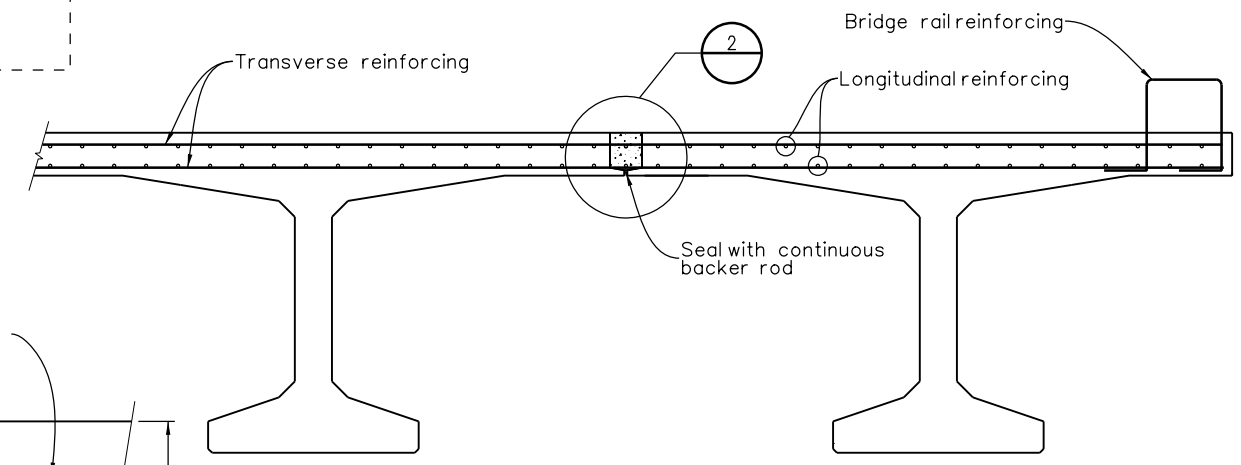
NOTE: Slope girder to match cross slope



SECTION

For dimensions not shown See B-618-CBT2

Designer:
Provide Positive and Negative moment transverse rebar per deck design requirements.



FULL DECKED GIRDER

NOTE: Slope girder to match cross slope

NOTES:

1. Camber and lateral sweep may be adjusted by post-tension mono strands.
2. Girder spacing 56" to 118" may be used.
3. Concrete shall be class PS.
4. Backer rod shall meet ASTM D5249 and shall be included in the cost of work.
5. Post-tension mono strands may be required for over, under and lateral sweep adjustment.

Girder Type	Depth (IN)	Weight (LBS/FT) *	Area (IN ²)	Ix CG (IN ⁴)	Iy CG (IN ⁴)	Yb (IN)	1/2 Height Deck Weight Reduction (%)
CBT30D-78	36.0	1329	1243	178,419	342,787	22.00	23.2
CBT36D-78	42.0	1374	1285	268,747	342,959	25.88	22.4
CBT45D-78	51.0	1442	1348	444,652	343,216	31.50	21.4
CBT54D-78	60.0	1509	1411	671,778	343,473	37.13	20.4
CBT63D-78	69.0	1576	1474	953,116	343,730	42.50	19.5
CBT72D-78	78.0	1644	1537	1,291,567	343,990	48.00	18.7
CBT81D-78	87.0	1711	1600	1,689,992	344,247	53.25	18.0
CBT90D-78	96.0	1779	1663	2,152,065	344,502	58.50	17.3
CBT30D-118	36.0	1671	1563	205,598	1,043,216	24.00	28.7
CBT36D-118	42.0	1716	1605	308,313	1,043,388	28.25	27.9
CBT45D-118	51.0	1783	1668	508,345	1,043,643	34.50	26.9
CBT54D-118	60.0	1851	1731	766,780	1,043,902	40.63	25.9
CBT63D-118	69.0	1918	1794	1,087,135	1,044,149	46.50	25.0
CBT72D-118	78.0	1985	1857	1,472,787	1,044,416	52.50	24.1
CBT81D-118	87.0	2053	1920	1,927,015	1,044,673	58.25	23.3
CBT90D-118	96.0	2120	1983	2,453,981	1,044,904	64.00	22.6

* Based on 154 LBS/CF

Revision Dates	(Preliminary Stage Only)	
6/19	7/19	3/23

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

All seals for this set of drawings are applied to the cover page(s)	Print Date: \$DATE\$	Sheet Revisions			Colorado Department of Transportation		As Constructed		PRESTRESSED CONCRETE DECKED CBT			Project No./Code	
	File Name: Sheet_B-618-DBT.dgn	Date:	Comments	Init.	 2829 West Howard Place, 3rd Floor Denver, CO 80204 Phone: 303-512-4079 FAX: 303-757-9197	No Revisions:		Structure X-XX-XX			Project Number		
	Horiz. Scale: Not to Scale Vert. Scale: As Noted					Revised:		Detailer: XXXXXXXX			Code		
Unit Information	Unit Leader Initials				Staff Bridge Branch	Void:		Sheet Subset: BRIDGE			Subset Sheets: BXX of XXX		
					Initials			Sheet Number					