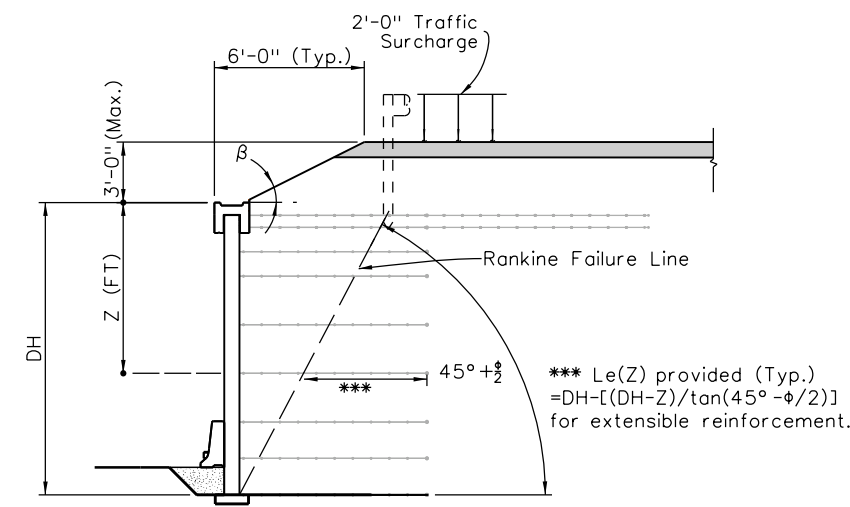


(This sheet must be accompanied with B-504-C1 or C2 or C3 or F1 or F2 or F3)

Note to Designer:  
Refer to Bridge Design Manual (BDM) for Design Criteria and Examples

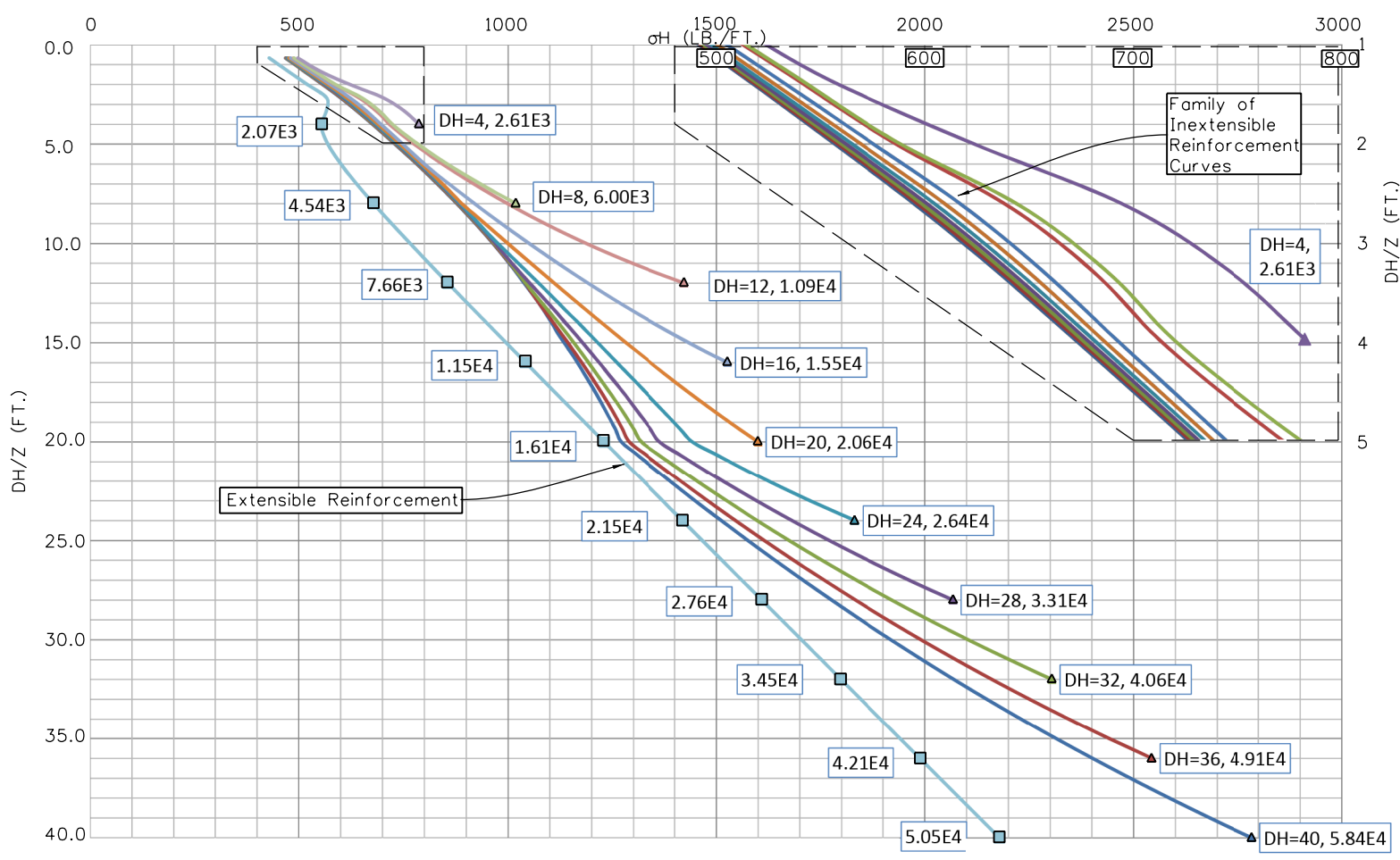


APPLICATION DIAGRAM (DH=16' AS SHOWN)

DH or Z (FT.)	* SPACING (IN.)	σH (LB./FT.)	** ΣσHxspacing (LB./FT.)	*** Le (FT.)
0.667	12	429.099	286.066	1.918
1.333	12	474.802	602.601	1.796
2.000	NA	520.505	949.604	NA
2.667	16	566.208	1.33E+03	2.184
3.333	NA	565.746	1.70E+03	NA
4.000	24	553.783	2.07E+03	2.593
4.667	NA	561.751	2.45E+03	NA
5.333	NA	578.666	2.83E+03	NA
6.000	NA	600.362	3.23E+03	NA
6.667	32	624.898	3.65E+03	2.826
7.333	NA	651.251	4.09E+03	NA
8.000	NA	678.833	4.54E+03	NA
8.667	NA	707.281	5.01E+03	NA
9.333	32	736.359	5.50E+03	2.61
10.000	NA	765.911	6.01E+03	NA
10.667	NA	795.826	6.54E+03	NA
11.333	NA	826.025	7.09E+03	NA
12.000	28	856.45	7.66E+03	2.184
12.667	NA	887.057	8.25E+03	NA
13.333	NA	917.815	8.87E+03	NA
14.000	24	9.49E+02	9.50E+03	1.829
14.667	NA	9.80E+02	1.02E+04	NA
15.333	NA	1.01E+03	1.08E+04	NA
16.000	24	1.04E+03	1.15E+04	1.798
16.667	NA	1.07E+03	1.22E+04	NA
17.333	NA	1.10E+03	1.30E+04	NA
18.000	24	1.14E+03	1.37E+04	1.773
18.667	NA	1.17E+03	1.45E+04	NA
19.333	NA	1.20E+03	1.53E+04	NA
20.000	24	1.23E+03	1.61E+04	1.753
20.667	NA	1.26E+03	1.70E+04	NA
21.333	NA	1.29E+03	1.78E+04	NA
22.000	24	1.32E+03	1.87E+04	1.737
22.667	NA	1.36E+03	1.96E+04	NA
23.333	NA	1.39E+03	2.05E+04	NA
24.000	24	1.42E+03	2.15E+04	1.723
24.667	NA	1.45E+03	2.25E+04	NA
25.333	NA	1.48E+03	2.34E+04	NA
26.000	24	1.51E+03	2.45E+04	1.711
26.667	NA	1.55E+03	2.55E+04	NA
27.333	NA	1.58E+03	2.65E+04	NA
28.000	20	1.61E+03	2.76E+04	1.418
28.667	NA	1.64E+03	2.87E+04	NA
29.333	16	1.67E+03	2.98E+04	1.13
30.000	NA	1.70E+03	3.10E+04	NA
30.667	16	1.74E+03	3.21E+04	1.126
31.333	NA	1.77E+03	3.33E+04	NA
32.000	16	1.80E+03	3.45E+04	1.123
32.667	NA	1.83E+03	3.57E+04	NA
33.333	16	1.86E+03	3.69E+04	1.12
34.000	NA	1.89E+03	3.82E+04	NA
34.667	16	1.93E+03	3.95E+04	1.117
35.333	NA	1.96E+03	4.08E+04	NA
36.000	12	1.99E+03	4.21E+04	0.836
36.667	8	2.02E+03	4.35E+04	0.557
37.333	8	2.05E+03	4.48E+04	0.556
38.000	8	2.08E+03	4.62E+04	0.555
38.667	8	2.12E+03	4.76E+04	0.555
39.333	8	2.15E+03	4.91E+04	0.554
40.000	4	2.18E+03	5.05E+04	0.277

Note: Table is for both extensible and inextensible soil reinforcement.

- \* Example spacing
- \*\* Summation of σH above Z neglecting rail impact
- \*\*\* Le based on extensible, 0.8xLe for inextensible. Le of top two layers are not developed, layers used for avoiding roadway tension cracks.



Revision Dates		Quantities	
DATE	INITIAL	DATE	INITIAL
03/16			

Print Date: 9/6/2016	Sheet Revisions		
File Name: Sheet_LB-504-H4.dgn	Date:	Comments	Init.
Horiz. Scale: As Noted			
Vert. Scale: As Noted			
Staff Bridge Branch-Unit OXXX			
Unit Leader Initials			

0000	Sheet Revisions		
	Date:	Comments	Init.

Colorado Department of Transportation  
4201 East Arkansas Avenue  
Room 107  
Denver, CO 80222  
Phone: 303-757-9309 FAX: 303-757-9197

Staff Bridge Branch Initials

As Constructed
No Revisions:
Revised:
Void:

LRFD MSE WALL FOR BLOCK/PANEL FACING WITH BROKEN BACK SLOPE & ROADWAY DESIGN CHARTS/TABLE			
Designer:	XXXXXXX	Structure	Wall-X-XX-XX
Detailer:	XXXXXXX	Numbers	Wall-X-XX-XX
Sheet Subset:	Wall	Subset Sheets:	WXX of XXX

Project No./Code
Project Number
Code
Sheet Number