Design Data for Students: Cantilever Bridge

Common Data:

Number of girders = 4
Number of lanes = 2
Lane width = 14’
Girder web width b_w = 18”
Width of side walk = 3’-6”
Wearing course, w_{wc} = 30 psf
Concrete clear cover = Slab: 1”

Girder depth at pier:

H_p = 2H for L<350’
= 1.5H for L≥350’

SL	Student ID	Student's Name	Total Span, L (ft)	fc', (ksi)	fy, (ksi)
1	202230061	Tabassum -A- Habib Oishi	253	4	60
2	202330001	Mohammad Tasin Akram	276	5	60
3	202330005	Kaif Al Shahriar Qais Shurid	308	4	60
4	202330008	Mehnaj Sumaiya	316	5	60
5	202330009	Md. Shahriar Parvez Safin	300	4	60
6	202330010	Fairuj Tanjiba Rhine	257	4	60
7	202330011	Sabekunnahar Khan Zara	250	5	60
8	202330013	Nahima Khanam Mim	263	5	60
9	202330014	Md. Arif Rayhan Rifat	325	5	60
10	202330015	Md. Mehrab Hossain Bhuyan Shiam	288	4	60
11	202330016	Nabiha Tabassum Muhat	281	5	60
12	202330017	Khandakar Maliha Alam	326	4	60
13	202330018	Syed Hamza Moinuddin Ali	273	4	60
14	202330020	Fariha Tasneem Irina	338	5	60
15	202330021	Md. Yeanoor Rahman	318	5	60
16	202330023	Luzain Mosaddeque	306	4	60
17	202330025	Apurbo Chowdhury	341	5	60
18	202330026	Suraiya Akter Bonna	273	5	60
19	202330028	Farhana Sarwar	348	5	60
20	202330029	Ahnaf Tahmid Rupantor	272	4	72
21	202330030	Anika Shayerah Khan	347	4	72
22	202330031	Md Zohayer Ishfar	311	4	72
23	202330034	Mushfiqur Rahman Khan	270	4	72
24	202330036	Tanjila Tabassum	320	5	72
25	202330037	Mahdia Rahman	290	5	72
26	202330039	Md. Syndeed Bin S. Morshed	271	4	72
27	202330040	Fahbiha Jabin Maisha	332	5	72
28	202330042	Asif Iqbal	329	5	72
29	202330043	Adnan Swaleheen	282	5	72
30	202330044	Azraf Taohid Akib	297	5	72

SL	Student ID	Student's Name	Total Span, L (ft)	fc', (ksi)	fy, (ksi)
31	202330045	Md. Mushfiqur Rahman Nafis	285	4	72
32	202330048	Bazlur Rasid	315	4	72
33	202330049	Renaisa Ratul	314	5	72
34	202330050	Tanvir Ahmed Talha	298	4	72
35	202330051	Nusrat Mim	304	5	72
36	202330052	Md. Isteak Ahemd Fahim	308	4	72
37	202330056	Sheikh Tasnim Safa	318	4	72
38	202330057	Sharif Abrar Zaheen	278	5	72
39	202330058	M. A. R. Aman Ullah Khan	274	5	72
40	202330060	Syed Shadman Alvi	266	5	72
41	202330062	Nafisa Anjum Astha	272	4	72