

Design, Fabrication, and Construction of a Redundant Steel Three-I-Girder Straddle Beam

Michael P. Culmo, P.E., Chief Bridge Engineer, CHA Consulting, Inc.

Ronnie Medlock, P.E, Vice President - Technical Services, High Steel Structures LLC

1. Summary

Meeting title	ABCD NEOH Webinar Presentation - 3-Girder Steel Bent Cap
Attended participants	146
Unidentified participants	1
Start time	11/27/23, 11:43:02 AM
End time	11/27/23, 1:05:14 PM
Meeting duration	1h 22m 11s
Average attendance time	1h 3m 21s

2. Participants

	Name	First Join	Last Leave	In-Meeting Duration
1	Chavel, Brandon	11/27/23, 11:43:39 AM	11/27/23, 1:05:14 PM	1h 20m 29s
2	Culmo, Mike	11/27/23, 11:45:22 AM	11/27/23, 1:03:52 PM	1h 18m 30s
3	Philip Garrett	11/27/23, 11:45:29 AM	11/27/23, 1:05:14 PM	1h 19m 44s
4	Elrassi, Hiba	11/27/23, 11:45:57 AM	11/27/23, 1:03:51 PM	1h 17m 54s
5	Carroll, Jon	11/27/23, 11:46:14 AM	11/27/23, 1:03:54 PM	1h 17m 39s
6	George Antonios	11/27/23, 11:47:18 AM	11/27/23, 1:03:55 PM	1h 16m 36s
7	Jason Tucker	11/27/23, 11:47:19 AM	11/27/23, 1:05:14 PM	1h 17m 54s
8	Medlock, Ronnie	11/27/23, 11:48:23 AM	11/27/23, 1:04:13 PM	1h 15m 50s
9	Schull, Bethany	11/27/23, 11:49:51 AM	11/27/23, 12:50:00 PM	1h 8s
10	Dabson, Chris	11/27/23, 11:51:31 AM	11/27/23, 1:03:54 PM	1h 12m 23s
11	Niraula, Manjil	11/27/23, 11:52:20 AM	11/27/23, 1:03:54 PM	1h 11m 33s
12	Chrisman, Kelly [US-US]	11/27/23, 11:52:42 AM	11/27/23, 1:03:51 PM	1h 11m 8s
13	David Rinehart	11/27/23, 11:53:12 AM	11/27/23, 1:03:55 PM	1h 10m 42s
14	Zukerman, Natalie	11/27/23, 11:53:13 AM	11/27/23, 1:03:51 PM	1h 10m 38s
15	Willms, Dirk	11/27/23, 11:53:17 AM	11/27/23, 1:03:54 PM	1h 10m 37s
16	Shaner, Joanne	11/27/23, 11:54:00 AM	11/27/23, 1:03:52 PM	1h 9m 52s
17	Matt Blesi	11/27/23, 11:54:05 AM	11/27/23, 1:04:38 PM	1h 10m 33s
18	Douglas Timmer	11/27/23, 11:54:22 AM	11/27/23, 1:03:51 PM	1h 9m 29s
19	Robert Cunning	11/27/23, 11:54:23 AM	11/27/23, 1:03:54 PM	1h 9m 31s
20	Erin Fink Rohde	11/27/23, 11:54:23 AM	11/27/23, 1:03:54 PM	1h 9m 30s
21	Richard Bloch	11/27/23, 11:54:35 AM	11/27/23, 1:03:58 PM	1h 9m 22s
22	Shell, Amy	11/27/23, 11:54:35 AM	11/27/23, 1:03:55 PM	1h 9m 19s
23	Penman, Jillian	11/27/23, 11:54:38 AM	11/27/23, 1:03:52 PM	1h 9m 13s
24	Ed White	11/27/23, 11:54:39 AM	11/27/23, 1:03:51 PM	1h 9m 12s
25	Stora, Tom [US-US]	11/27/23, 11:54:40 AM	11/27/23, 1:03:54 PM	1h 9m 13s
26	Zach Waite	11/27/23, 11:54:54 AM	11/27/23, 1:03:55 PM	1h 9m
27	Husam Hussein	11/27/23, 11:55:02 AM	11/27/23, 1:03:58 PM	1h 4m 29s
28	Brian Avarello	11/27/23, 11:55:03 AM	11/27/23, 1:03:53 PM	1h 8m 50s
29	Gabe Liptak	11/27/23, 11:55:05 AM	11/27/23, 1:03:45 PM	1h 8m 40s
30	Mike Killian	11/27/23, 11:55:09 AM	11/27/23, 1:03:54 PM	1h 8m 44s
31	Brendan Finn	11/27/23, 11:55:17 AM	11/27/23, 1:03:58 PM	1h 8m 40s
32	Smithson, Joseph	11/27/23, 11:55:18 AM	11/27/23, 1:00:04 PM	1h 4m 45s

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2. Participants

	Name	First Join	Last Leave	In-Meeting Duration
33	Tom Bolte	11/27/23, 11:55:24 AM	11/27/23, 1:03:53 PM	1h 8m 29s
34	Wilson, Shelby	11/27/23, 11:55:28 AM	11/27/23, 1:03:53 PM	1h 8m 24s
35	Vasaris, Bryan	11/27/23, 11:55:30 AM	11/27/23, 1:03:54 PM	1h 8m 24s
36	Jeffrey Miller	11/27/23, 11:55:38 AM	11/27/23, 1:03:56 PM	1h 8m 18s
37	Adams, Tyler	11/27/23, 11:55:38 AM	11/27/23, 1:03:37 PM	1h 7m 59s
38	Toman, Patrick	11/27/23, 11:55:47 AM	11/27/23, 1:03:55 PM	1h 8m 8s
39	Seif, Youssef	11/27/23, 11:55:48 AM	11/27/23, 1:03:49 PM	1h 8m 1s
40	Nav Paneru	11/27/23, 11:55:51 AM	11/27/23, 1:03:52 PM	1h 8m 1s
41	Treasure, Joe [US-US]	11/27/23, 11:55:58 AM	11/27/23, 1:03:52 PM	1h 7m 54s
42	Kevin Randall	11/27/23, 11:55:58 AM	11/27/23, 1:03:57 PM	1h 7m 59s
43	George Maki	11/27/23, 11:56:04 AM	11/27/23, 1:03:59 PM	1h 7m 54s
44	Joe Fockler	11/27/23, 11:56:08 AM	11/27/23, 1:03:58 PM	1h 7m 49s
45	Richie Dimmerling (Guest)	11/27/23, 11:56:16 AM	11/27/23, 1:04:01 PM	1h 7m 45s
46	Michael Vogt	11/27/23, 11:56:19 AM	11/27/23, 1:03:55 PM	1h 7m 35s
47	Kevin Ohl	11/27/23, 11:56:20 AM	11/27/23, 12:57:36 PM	1h 1m 16s
48	Ian Foye	11/27/23, 11:56:20 AM	11/27/23, 1:03:58 PM	1h 7m 37s
49	Washko, Tom	11/27/23, 11:56:20 AM	11/27/23, 1:03:42 PM	1h 7m 21s
50	Brandon Sopko	11/27/23, 11:56:23 AM	11/27/23, 1:03:53 PM	1h 7m 30s
51	Weger, Robert	11/27/23, 11:56:32 AM	11/27/23, 1:03:55 PM	1h 7m 22s
52	Hughes, Brian	11/27/23, 11:56:45 AM	11/27/23, 12:00:33 PM	3m 47s
53	Lauren Hedges	11/27/23, 11:57:05 AM	11/27/23, 1:03:52 PM	1h 6m 47s
54	Miller, Douglas	11/27/23, 11:57:07 AM	11/27/23, 1:03:57 PM	1h 6m 49s
55	Webster, Larry	11/27/23, 11:57:09 AM	11/27/23, 1:03:55 PM	1h 6m 46s
56	Campbell, Tara	11/27/23, 11:57:12 AM	11/27/23, 1:03:49 PM	1h 6m 36s
57	Rob Pfingsten	11/27/23, 11:57:21 AM	11/27/23, 1:03:59 PM	1h 6m 37s
58	Grega, Nicholas	11/27/23, 11:57:22 AM	11/27/23, 1:03:56 PM	1h 6m 34s
59	Gary Gardner	11/27/23, 11:57:23 AM	11/27/23, 1:03:53 PM	1h 6m 30s
60	Lecrone, Brandon	11/27/23, 11:57:29 AM	11/27/23, 1:03:59 PM	1h 6m 29s
61	Blake Mathias	11/27/23, 11:57:31 AM	11/27/23, 1:03:54 PM	1h 6m 22s
62	Julia Hart	11/27/23, 11:57:33 AM	11/27/23, 1:03:52 PM	1h 6m 19s
63	Tom Hackett	11/27/23, 11:57:34 AM	11/27/23, 1:03:57 PM	1h 6m 23s
64	Waheed, Amjad	11/27/23, 11:57:35 AM	11/27/23, 1:05:14 PM	1h 7m 38s

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	Name	First Join	Last Leave	In-Meeting Duration
65	Bronson Funke (Guest)	11/27/23, 11:57:36 AM	11/27/23, 1:03:52 PM	1h 6m 15s
66	Swank, Nick	11/27/23, 11:57:47 AM	11/27/23, 1:03:52 PM	1h 6m 5s
67	Timothy Sheldon	11/27/23, 11:57:54 AM	11/27/23, 1:04:00 PM	1h 6m 6s
68	Kusner, James	11/27/23, 11:57:57 AM	11/27/23, 1:03:51 PM	1h 5m 53s
69	Mutch, Evan	11/27/23, 11:58:03 AM	11/27/23, 1:03:51 PM	1h 5m 47s
70	Seshadri, Anand	11/27/23, 11:58:04 AM	11/27/23, 12:44:09 PM	46m 5s
71	Pete Treesh	11/27/23, 11:58:09 AM	11/27/23, 1:00:19 PM	1h 2m 9s
72	Dustin Fisher	11/27/23, 11:58:11 AM	11/27/23, 1:03:53 PM	1h 5m 42s
73	Cummins, Ryan	11/27/23, 11:58:11 AM	11/27/23, 1:04:58 PM	1h 6m 46s
74	Arnold, Dale	11/27/23, 11:58:14 AM	11/27/23, 12:47:31 PM	49m 16s
75	Pitcher, Shelley	11/27/23, 11:58:23 AM	11/27/23, 1:04:06 PM	1h 5m 43s
76	Brad Stiffler	11/27/23, 11:58:25 AM	11/27/23, 1:03:57 PM	1h 5m 31s
77	Barry Neumann	11/27/23, 11:58:29 AM	11/27/23, 1:05:14 PM	1h 6m 44s
78	Wellman, Emily	11/27/23, 11:58:34 AM	11/27/23, 1:03:58 PM	1h 5m 24s
79	Beth Kronk	11/27/23, 11:58:40 AM	11/27/23, 1:03:57 PM	1h 5m 16s
80	Medhoffer, Jordan	11/27/23, 11:58:41 AM	11/27/23, 1:04:01 PM	1h 5m 19s
81	Lorenz, Daniel	11/27/23, 11:58:49 AM	11/27/23, 1:04:37 PM	1h 5m 47s
82	Boltz, Charles	11/27/23, 11:58:53 AM	11/27/23, 1:03:53 PM	1h 4m 59s
83	Gagnon, Conrad [NN-US]	11/27/23, 11:59:02 AM	11/27/23, 1:03:53 PM	1h 4m 50s
84	Dave Leake	11/27/23, 11:59:03 AM	11/27/23, 1:03:50 PM	1h 4m 47s
85	O'Donnell, Matthew T.	11/27/23, 11:59:11 AM	11/27/23, 1:03:56 PM	1h 4m 45s
86	Jurcak, Michael	11/27/23, 11:59:19 AM	11/27/23, 1:03:58 PM	1h 4m 38s
87	Quittenton, Danielle	11/27/23, 11:59:32 AM	11/27/23, 1:03:52 PM	1h 4m 19s
88	Schukraft, Scott	11/27/23, 11:59:35 AM	11/27/23, 1:03:54 PM	1h 4m 19s
89	Bartucca, Vin	11/27/23, 11:59:36 AM	11/27/23, 12:59:10 PM	59m 34s
90	ComptonTroesch, Kyle (Cincinnati)	11/27/23, 11:59:42 AM	11/27/23, 1:04:00 PM	1h 4m 18s
91	Merillat, Brett	11/27/23, 11:59:46 AM	11/27/23, 1:03:50 PM	1h 4m 4s
92	Dahlfors, Adam	11/27/23, 11:59:48 AM	11/27/23, 1:05:14 PM	1h 5m 25s
93	David Buchanan	11/27/23, 11:59:51 AM	11/27/23, 1:03:56 PM	1h 4m 5s
94	Brian Dudley	11/27/23, 11:59:53 AM	11/27/23, 12:59:38 PM	59m 45s
95	Flannagan, Sage	11/27/23, 11:59:53 AM	11/27/23, 1:03:47 PM	1h 3m 53s
96	Thomas, Randy	11/27/23, 11:59:55 AM	11/27/23, 1:04:01 PM	1h 4m 6s

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	Name	First Join	Last Leave	In-Meeting Duration
97	Wahr, Andrew	11/27/23, 11:59:55 AM	11/27/23, 1:03:00 PM	1h 3m 5s
98	Miller, Jennifer	11/27/23, 11:59:57 AM	11/27/23, 1:03:52 PM	1h 3m 54s
99	Greg Johnson	11/27/23, 12:00:04 PM	11/27/23, 1:03:57 PM	1h 3m 53s
100	Kendall, Ross	11/27/23, 12:00:08 PM	11/27/23, 1:04:04 PM	1h 3m 56s
101	Justin Koesel	11/27/23, 12:00:10 PM	11/27/23, 1:03:55 PM	1h 3m 44s
102	Chris Jackman	11/27/23, 12:00:27 PM	11/27/23, 1:00:53 PM	1h 25s
103	Meet Shah	11/27/23, 12:00:27 PM	11/27/23, 1:04:00 PM	1h 3m 33s
104	Schrader, Craig	11/27/23, 12:00:28 PM	11/27/23, 1:05:14 PM	1h 4m 45s
105	Hollenbaugh, John	11/27/23, 12:00:29 PM	11/27/23, 1:03:56 PM	1h 3m 26s
106	Kyle, Troy	11/27/23, 12:00:33 PM	11/27/23, 1:03:54 PM	1h 3m 21s
107	LeBlond, James	11/27/23, 12:00:33 PM	11/27/23, 1:03:52 PM	1h 3m 18s
108	Zhou, Jiaxing	11/27/23, 12:01:00 PM	11/27/23, 1:03:56 PM	1h 2m 55s
109	Dhatkar, Sanket	11/27/23, 12:01:01 PM	11/27/23, 1:03:42 PM	1h 2m 40s
110	Wimer, Mark	11/27/23, 12:01:23 PM	11/27/23, 1:03:59 PM	1h 2m 35s
111	Shefcik, Bill	11/27/23, 12:01:25 PM	11/27/23, 1:05:14 PM	1h 3m 48s
112	Blythe, Matthew	11/27/23, 12:01:34 PM	11/27/23, 1:05:14 PM	1h 3m 39s
113	Luther, Jordan	11/27/23, 12:01:35 PM	11/27/23, 1:03:50 PM	1h 2m 14s
114	Schmitz, Joe	11/27/23, 12:01:41 PM	11/27/23, 1:03:36 PM	1h 1m 55s
115	Bill Vermes	11/27/23, 12:01:43 PM	11/27/23, 1:03:48 PM	1h 2m 4s
116	O'Rorke, Dan	11/27/23, 12:01:58 PM	11/27/23, 1:03:53 PM	1h 1m 55s
117	Wise, Jason	11/27/23, 12:02:00 PM	11/27/23, 1:03:42 PM	1h 1m 41s
118	Tony, Samuel	11/27/23, 12:02:07 PM	11/27/23, 1:03:51 PM	1h 1m 44s
119	Howard, Christopher	11/27/23, 12:02:15 PM	11/27/23, 1:04:05 PM	1h 1m 50s
120	Ciborek, Larry	11/27/23, 12:02:20 PM	11/27/23, 12:55:59 PM	53m 38s
121	Nepal, Prateek	11/27/23, 12:02:38 PM	11/27/23, 1:03:42 PM	1h 1m 4s
122	Bettinger, Chris	11/27/23, 12:02:41 PM	11/27/23, 1:03:38 PM	1h 57s
123	du Toit, Nadri	11/27/23, 12:02:47 PM	11/27/23, 1:03:53 PM	1h 1m 5s
124	Carol Boehm	11/27/23, 12:03:12 PM	11/27/23, 1:03:54 PM	1h 41s
125	Weiss, Chris	11/27/23, 12:03:14 PM	11/27/23, 1:03:48 PM	1h 34s
126	Zugell, Charles	11/27/23, 12:03:42 PM	11/27/23, 1:04:05 PM	1h 23s
127	Ryan Pepper	11/27/23, 12:04:00 PM	11/27/23, 1:03:54 PM	59m 53s
128	Klenke, Anna C	11/27/23, 12:04:17 PM	11/27/23, 1:03:57 PM	59m 39s

ABCD NEOH Virtual Presentation - November 27, 2023

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130	Tracy, John	11/27/23, 12:04:28 PM	11/27/23, 1:05:14 PM	1h 45s
131	Dohy, Christine	11/27/23, 12:04:37 PM	11/27/23, 1:00:05 PM	55m 27s
132	Jason	11/27/23, 12:06:07 PM	11/27/23, 12:13:35 PM	7m 27s
133	Amy Fahd	11/27/23, 12:06:37 PM	11/27/23, 1:03:54 PM	57m 16s
134	James O'Leary	11/27/23, 12:06:38 PM	11/27/23, 1:03:57 PM	57m 19s
135	Mark Boyer	11/27/23, 12:06:40 PM	11/27/23, 1:03:49 PM	57m 9s
136	Mather, Olin	11/27/23, 12:08:24 PM	11/27/23, 1:01:13 PM	52m 49s
137	Ouedraogo, Hendrix	11/27/23, 12:09:50 PM	11/27/23, 1:03:53 PM	54m 3s
138	Sechrist, Paige	11/27/23, 12:12:34 PM	11/27/23, 1:03:51 PM	51m 16s
139	Ng, Ruby	11/27/23, 12:13:18 PM	11/27/23, 1:03:57 PM	50m 39s
140	Jason	11/27/23, 12:14:08 PM	11/27/23, 12:36:21 PM	22m 12s
141	Ng, Davin	11/27/23, 12:14:08 PM	11/27/23, 1:04:18 PM	50m 10s
142	Jessica Vanaman	11/27/23, 12:18:19 PM	11/27/23, 1:03:34 PM	45m 15s
143	17404385012	11/27/23, 12:18:45 PM	11/27/23, 1:04:02 PM	45m 17s
144	Crace, Jeffery	11/27/23, 12:22:24 PM	11/27/23, 1:05:14 PM	42m 49s
145	Jason	11/27/23, 12:37:35 PM	11/27/23, 1:02:54 PM	25m 19s