

NAU Steel Bridge

Technical Advisor Meeting #5 - Meeting Minutes

Date / Time: March 29, 2018 – 6PM – 9PM (MST)

Meeting Called By: Ian Connair

Minutes Taken By: Isaac Block

Present Team Members: Isaac Block, Ian Connair

Present Advisors: Tommy Nelson, Technical Advisor

Updates:

- Bridge fabrication complete.
- First construction practice to be 3/30/18
- Diagonal lateral bracing member problem resolved. The sleeve connection was replaced with a C-channel joining the two pieces of the lateral bracing member.

Connection calculations:

- Check AISI J3.3 for bolt bearing
- On block shear calculations: Matt's calculation is okay.

Construction:

- Watch out for stripping nuts. Nuts will likely fail before bolts because the grade of the nuts is less than the grade of the bolts.
- Look into “wobble-sockets” for the drill.