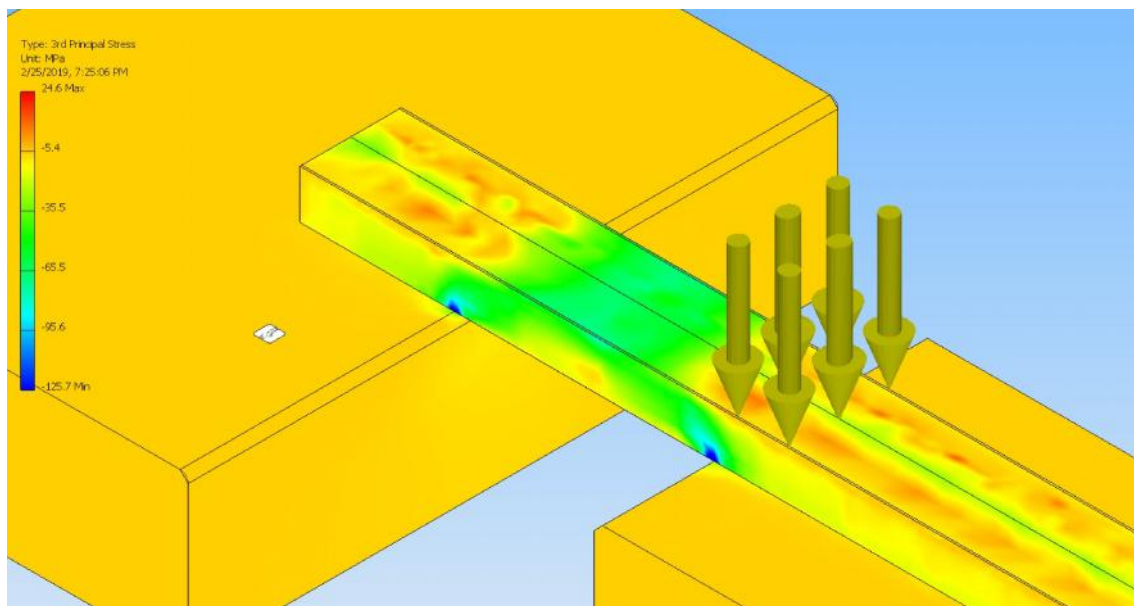
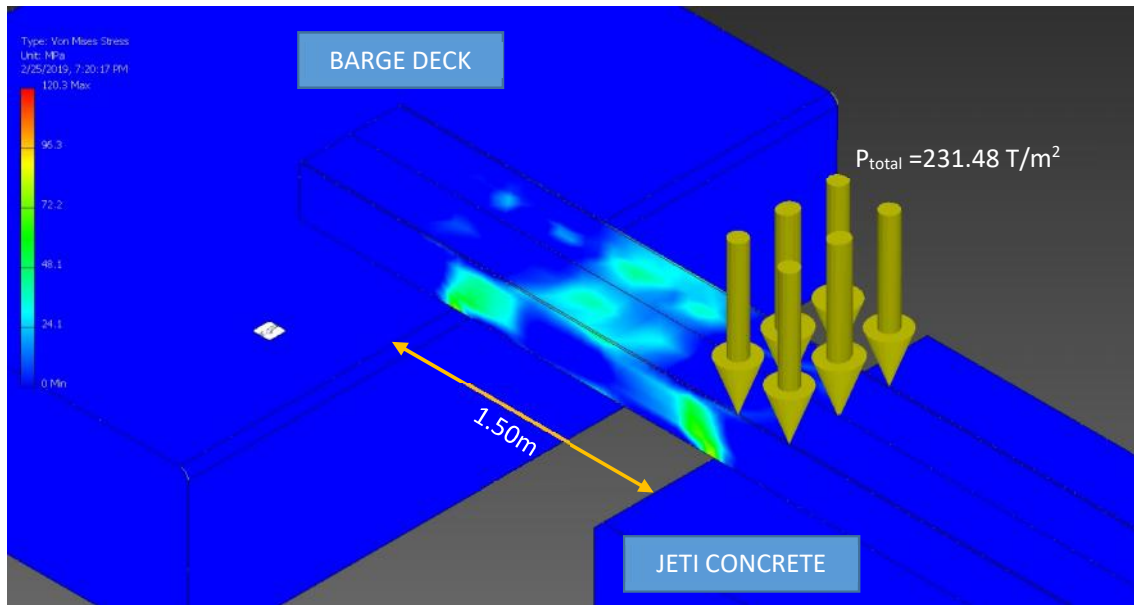


STRESS ANALYSIS LINK SPAN (BRIDGE) BEAM WF 300 X 300 X 10 X 2 BEAM



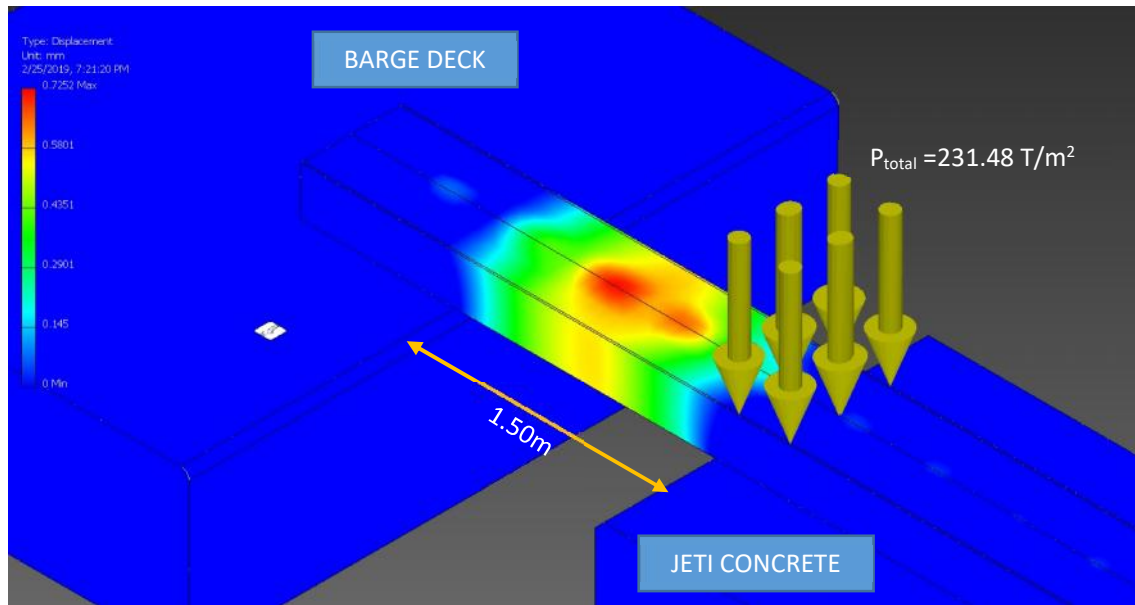
Acceptance & Allowable Criteria according to AISC Criteria

- Allowable Stress < Yield Strength of Material x 75%

RESULTS ANALYSIS

ANALYSIS	RESULT	ALLOWABLE	RATIO	REMARKS
Von Mises Stress	120.30 MPa	207 MPa	1.291	OK!
3 rd Principal Stress	125.70 MPa	207 MPa	1.235	OK!

STRESS ANALYSIS LINK SPAN (BRIDGE) BEAM WF 300 X 300 X 10 X 2 BEAM

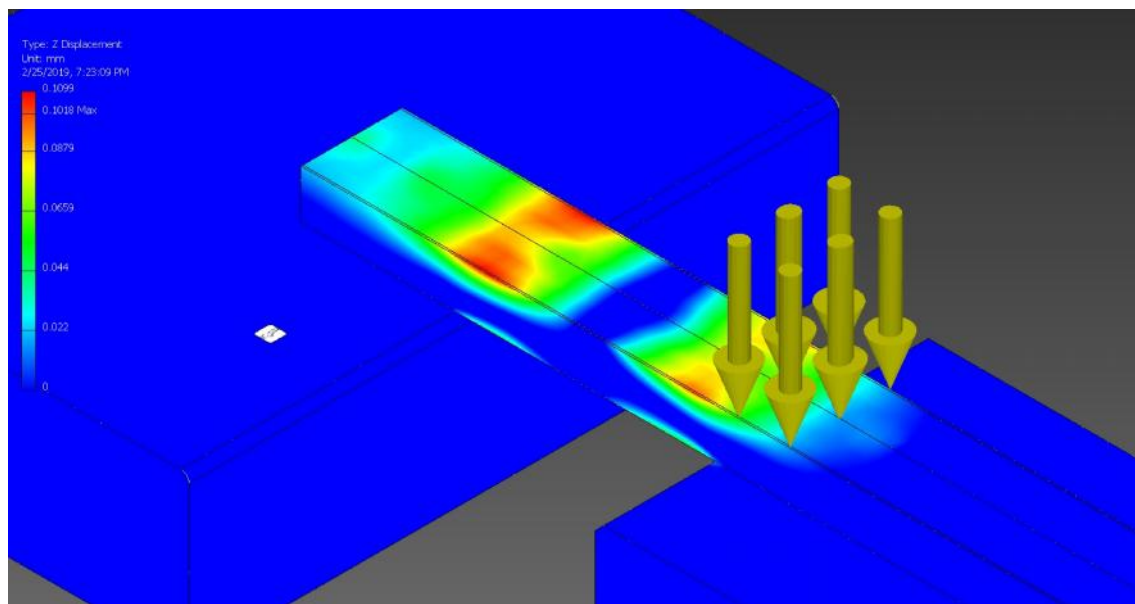


Acceptance & Allowable Criteria according to Resistance Factor Design (FRFD)

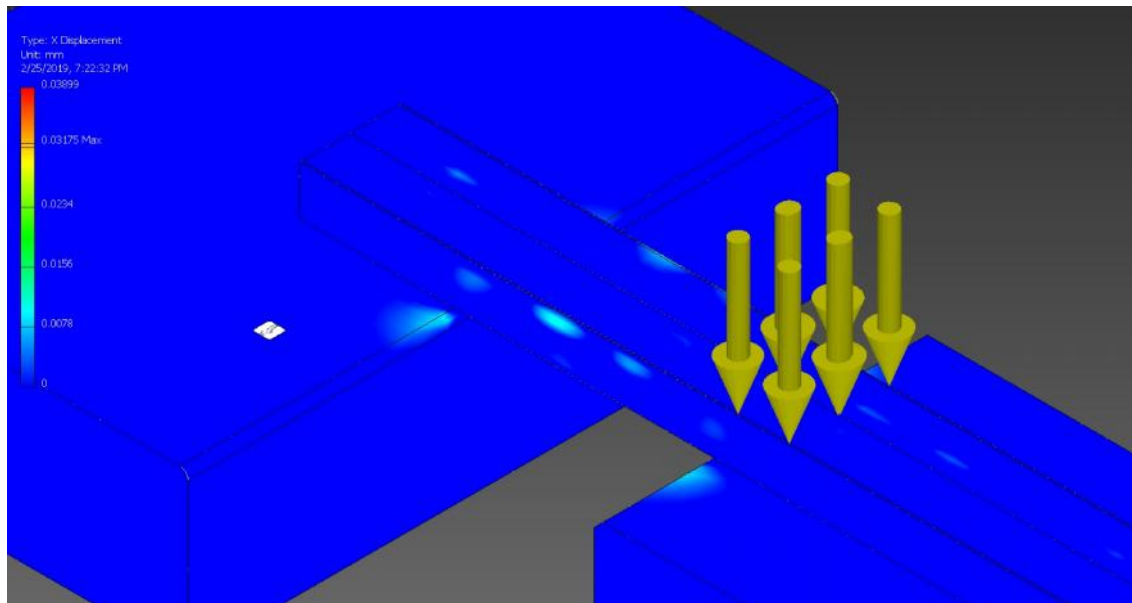
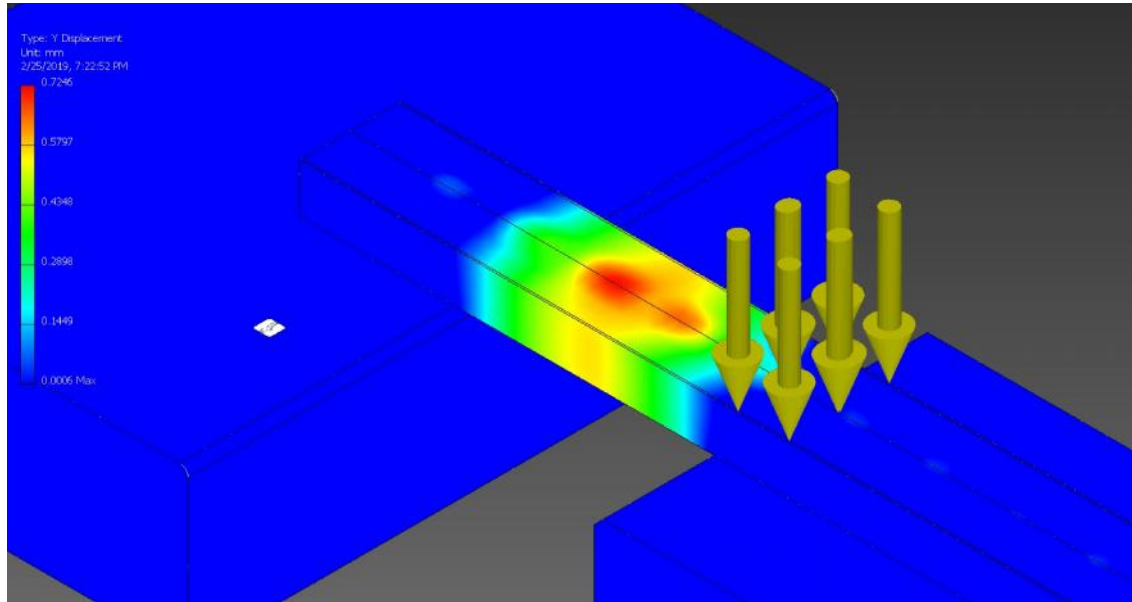
- AISC criteria for Displacement $< L/200$

RESULTS ANALYSIS

ANALYSIS	RESULT	ALLOWABLE	RATIO	REMARKS
Displacement	0.725 mm	1.50 mm	2.069	OK!
Z Displacement	0.102 mm	1.50 mm	14.705	OK!
Y Displacement	0.724 mm	1.50 mm	2.072	OK!
X Displacement	0.039 mm	1.50 mm	38.461	OK!



STRESS ANALYSIS LINK SPAN (BRIDGE) BEAM WF 300 X 300 X 10 X 2 BEAM



CONCLUSION:

The link span (bridge) for skidding are adequate and safe to support maximum weight of one legs CC-05 2500 kN divided by skid shoe bearing area on each beam.