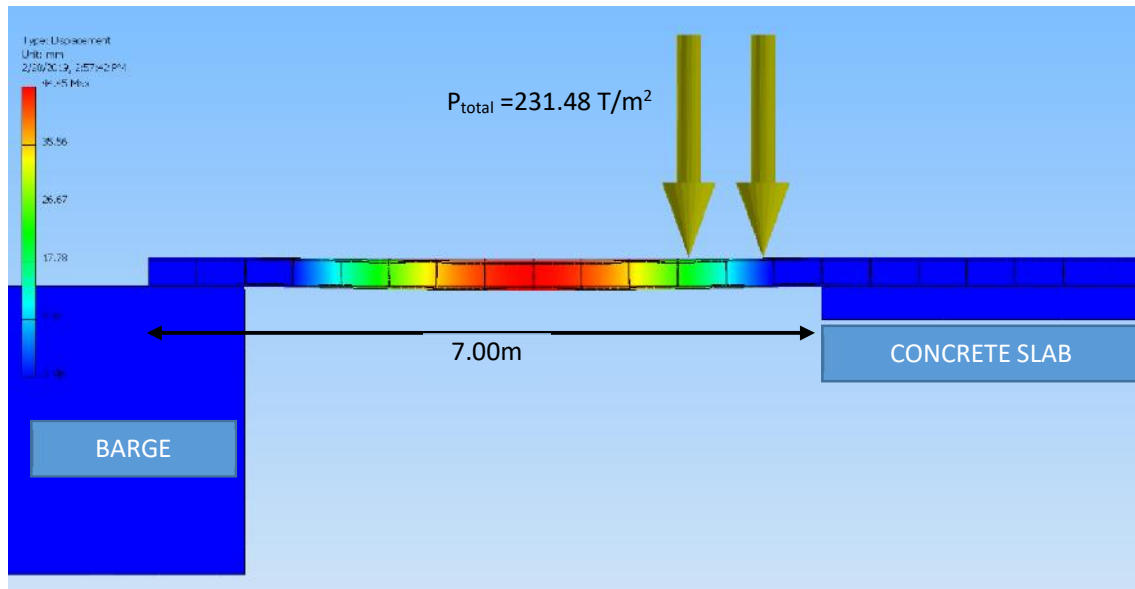


STRESS ANALYSIS LINK SPAN (BRIDGE) BEAM WF 300 X 300 X 10 X 2 BEAM PANJANG 12M JAMRUD

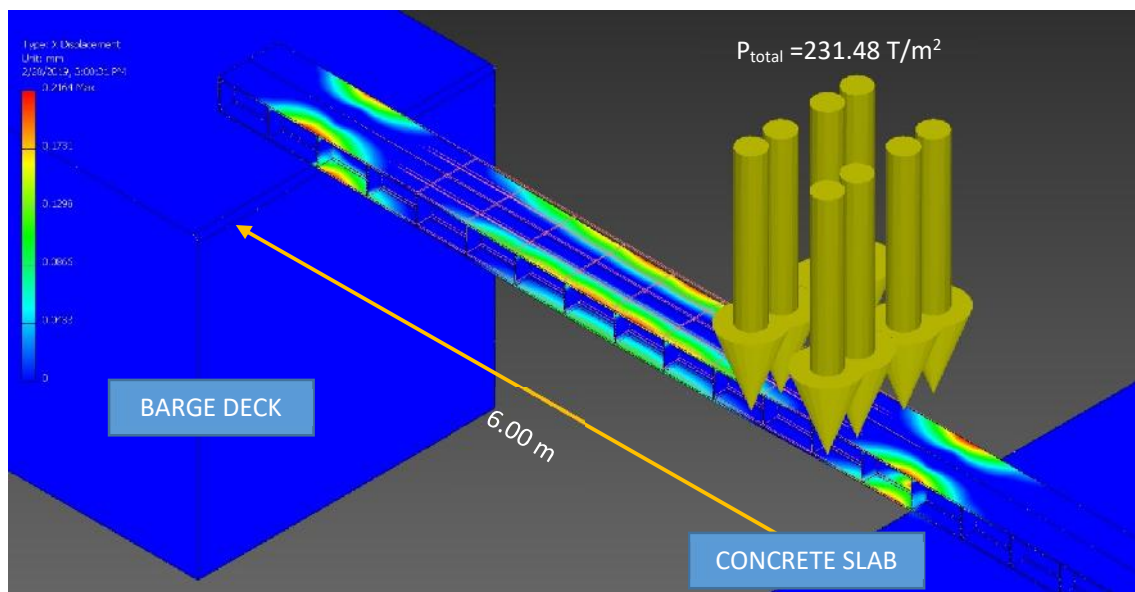


Acceptance & Allowable Criteria according to AISC Criteria

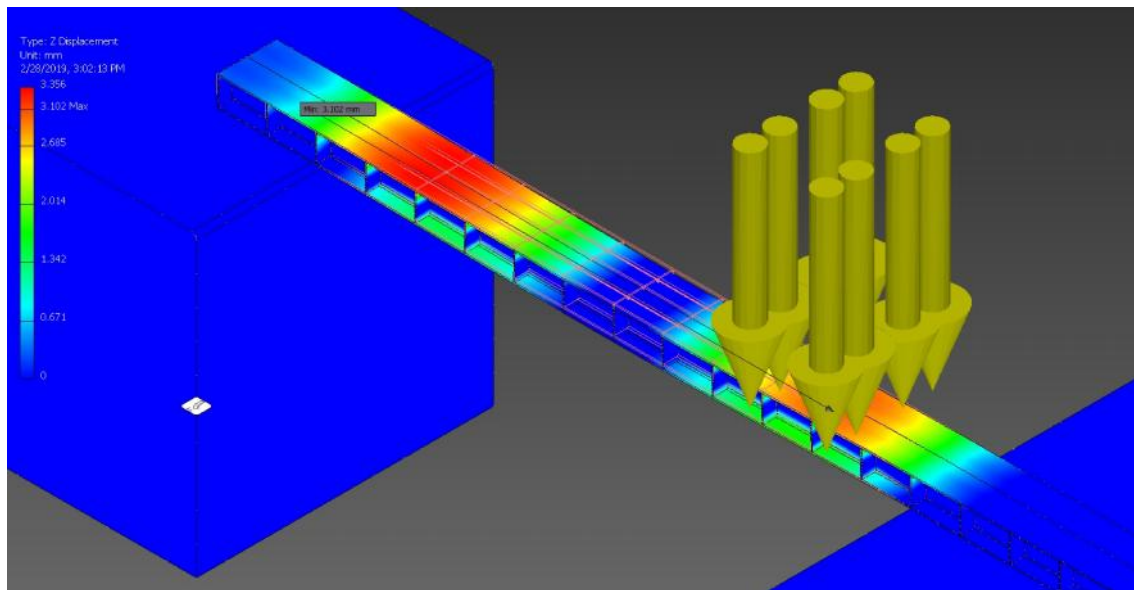
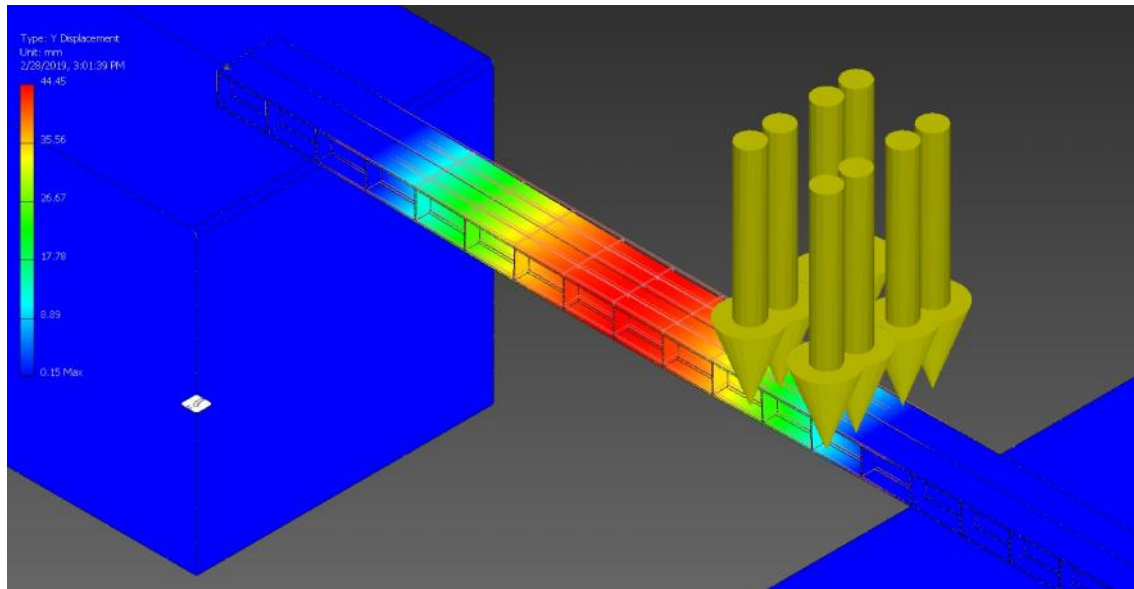
- AISC criteria for Displacement $< L/200$

RESULTS ANALYSIS

ANALYSIS	RESULT	ALLOWABLE	RATIO	REMARKS
Displacement	44.45 mm	$12000/200 = 60 \text{ mm}$	1.349	OK!
X Displacement	0.215 mm	$300/200 = 1.50 \text{ mm}$	6.976	OK!
Y Displacement	44.45 mm	$12000/200 = 60 \text{ mm}$	1.340	OK!
Z Displacement	3.356 mm	$600/200 = 3.00 \text{ mm}$	0.893	DEFORMED!



STRESS ANALYSIS LINK SPAN (BRIDGE) BEAM WF 300 X 300 X 10 X 2 BEAM PANJANG 12M JAMRUD



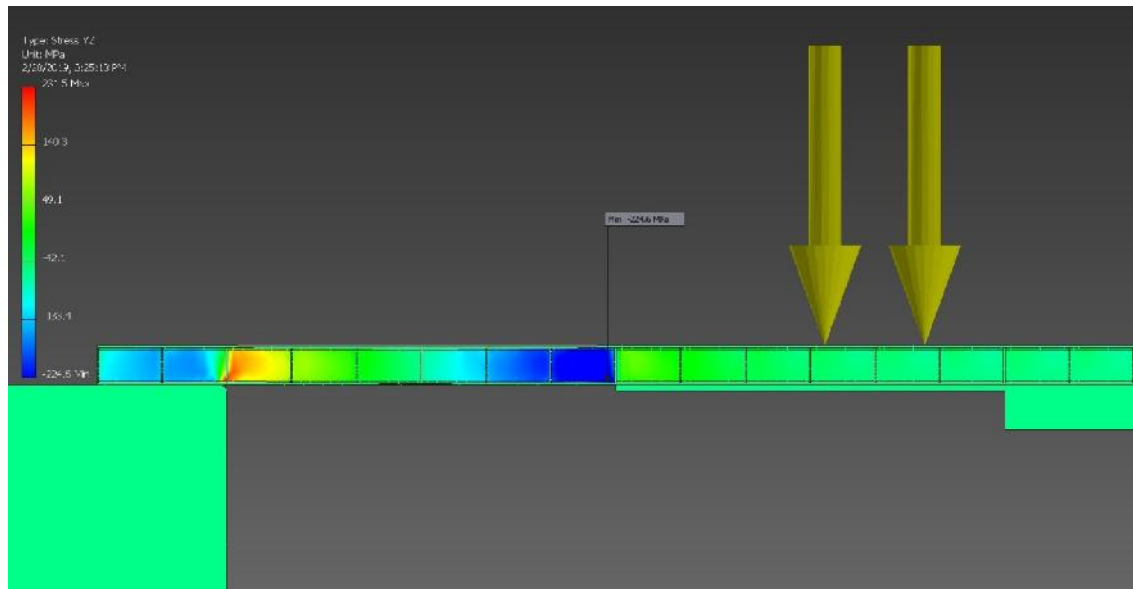
Acceptance & Allowable Criteria according to Allowable Stress Design (ASD)

- Allowable Stress < Yield Strength of Material (Local Steel <= 240 MPa)

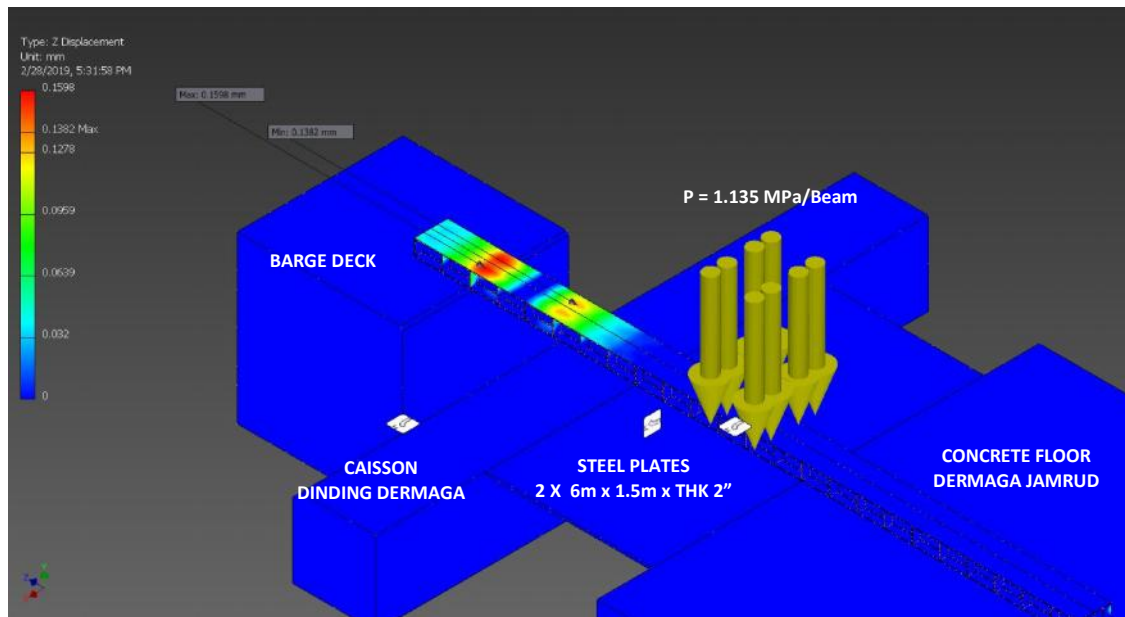
STRESS RESULTS ANALYSIS

ANALYSIS	RESULT	ALLOWABLE	RATIO	REMARKS
Stress YZ	231.50 MPa	240.00 MPa	1.036	OK!

STRESS ANALYSIS LINK SPAN (BRIDGE) BEAM WF 300 X 300 X 10 X 2 BEAM PANJANG 12M JAMRUD



Z DISPLACEMENT ON FINAL SUPPORT



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.