



Rolling Stock Update

June 26, 2009

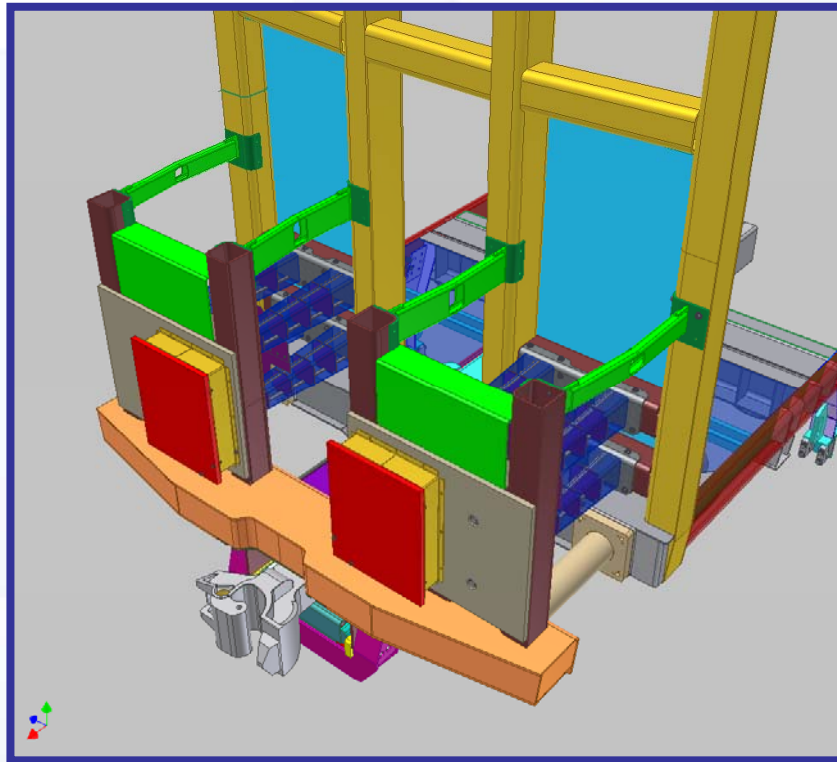
SCRRA Board of Directors Meeting

SCRRRA HYUNDAI ROTEEM CAB CAR

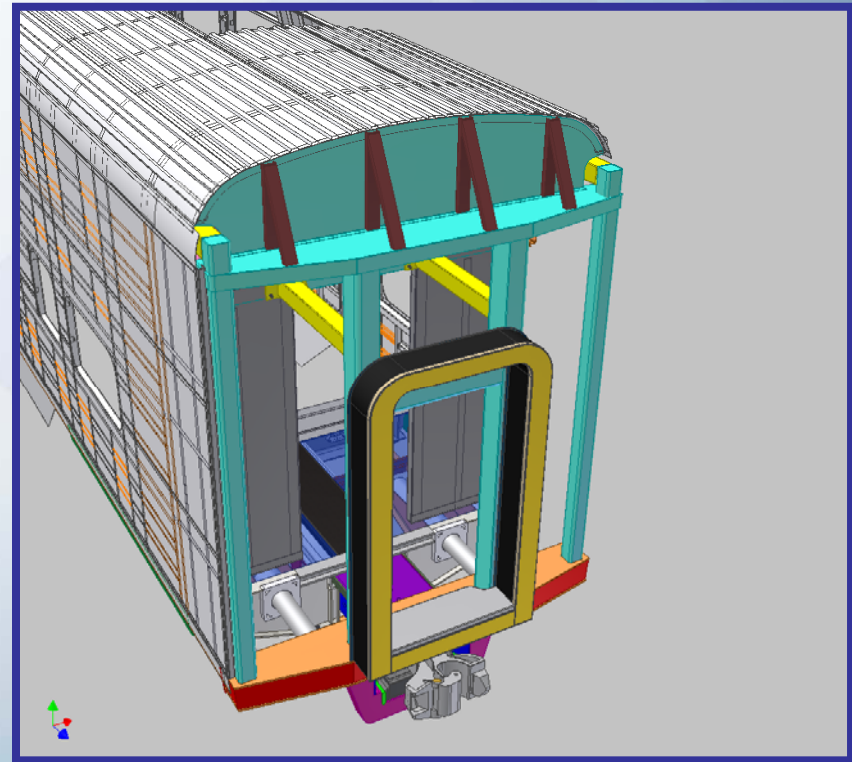


CEM STRUCTURAL FEATURES

Cab End



Non Cab End/Trailer Car

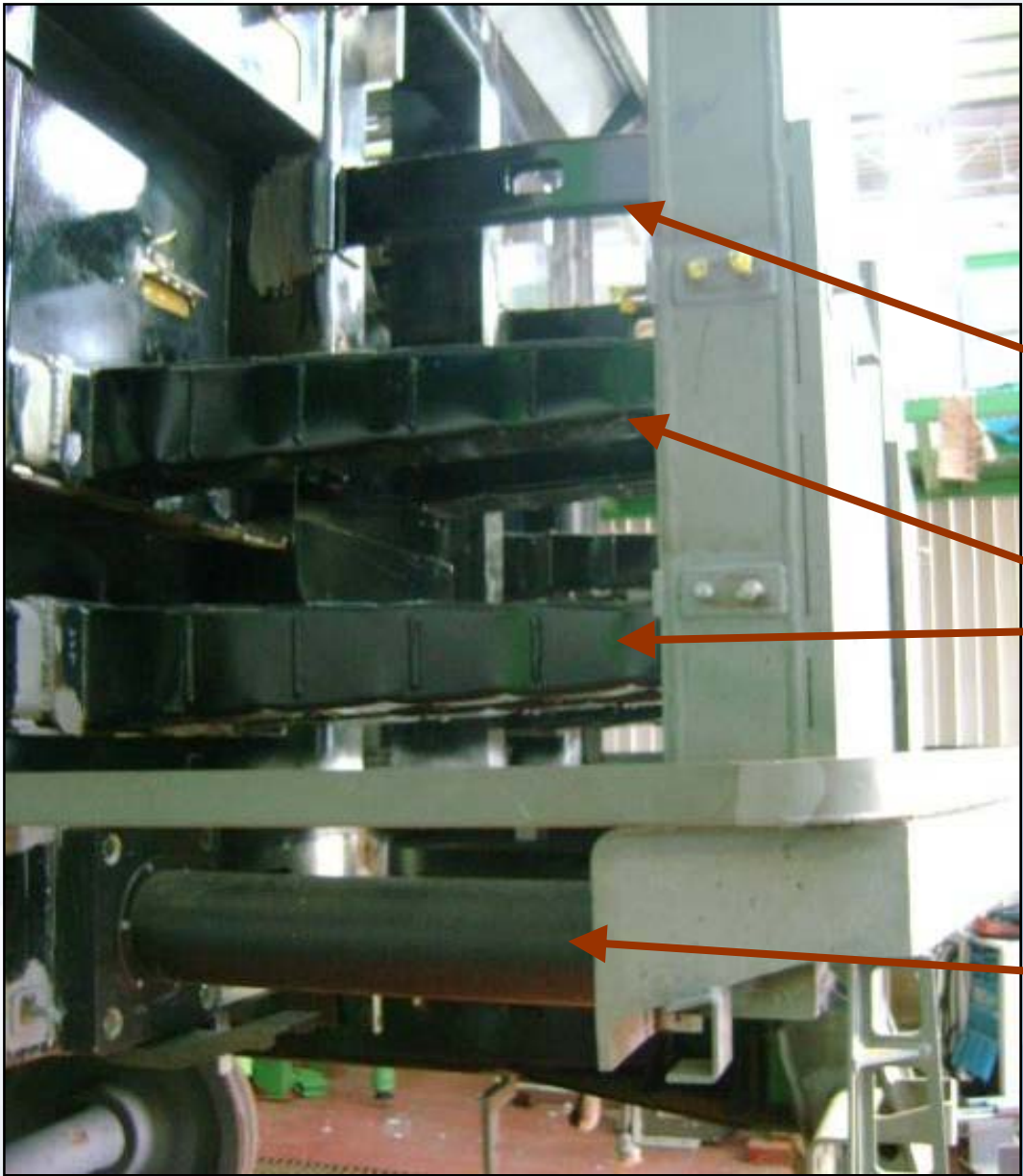


STRUCTURAL TESTING –BUFF BEAM LOADING



STRUCTURAL TESTING – F-END PEAM SYSTEM





F-END PEAM COMPONENT DETAIL

Frangible Support

LTM PEAM Elements

**Underframe PEAM
Elements**

F-END DETAILS



**Cab Stainless Steel
Mask**

Collision Post

Corner Post

LTM PEAM Supports

**End Beam/Buff
Beam**

Coupler pocket

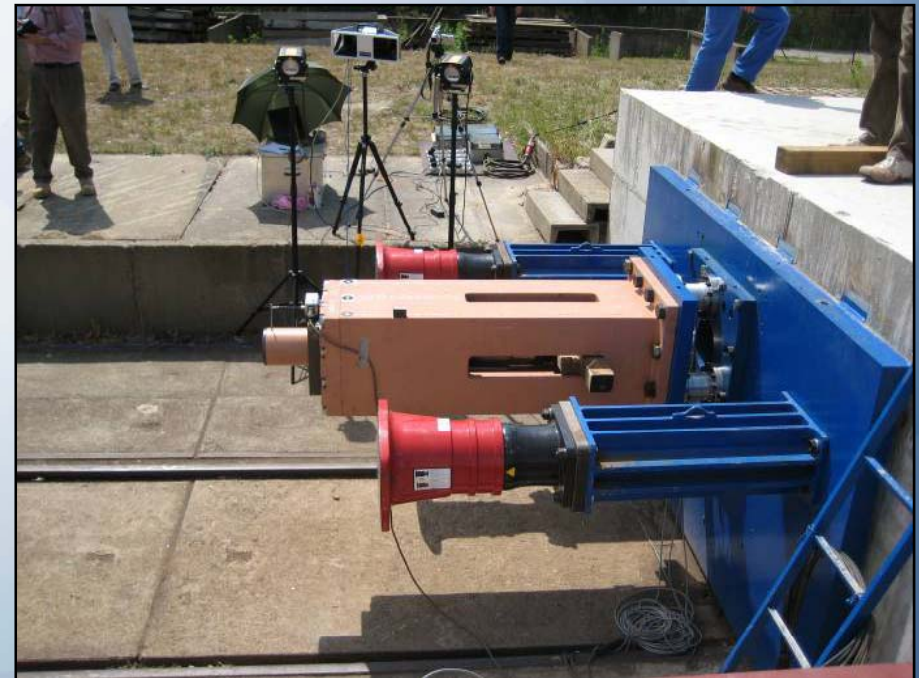
STRUCTURAL TESTING – F-END COUPLER LOADING



STRUCTURAL COMPONENT TESTING



**Pre-Test
Dynamic**

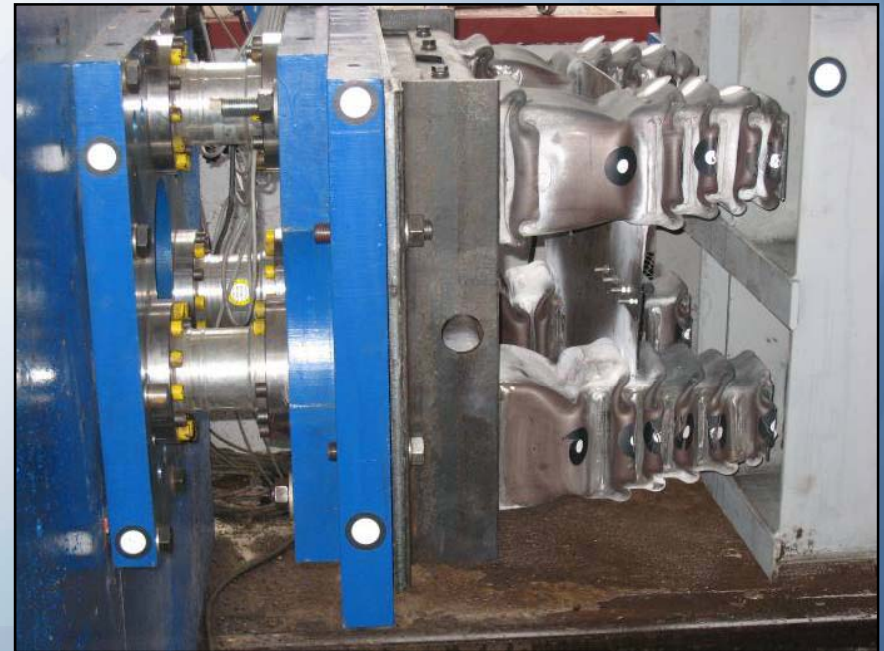


**Post-Test
Dynamic**

STRUCTURAL COMPONENT TESTING



**Pre-Test
Dynamic**



**Post-Test
Dynamic**

FIRST TRAILER CAR – FLOOR PANEL INSTALLATION



FIRST TRAILER CAR – WINDOW MASK SAMPLE



SECOND CAB CAR – INSULATION WORK LOWER LEVEL



SEAT PICTURES: EXISTING VERSUS NEW



TABLE TESTING



Pre-Test 8g
Sled



Post-Test
8g Sled

SEAT TESTING



**Pre-Test 8g
Sled**



**Post-Test
8g Sled**