Uni-Level Railcar

Uni-Level Introduction
TTUX Railcar – Tri Fold Door/Entry
Uni-Level Car Dimensions

- Inside Length - 81’5”
- Door Opening – 10’ wide by 14’8” high
- Interior width – 10’ 5”
- Tri-fold end doors
- Load limit – 127,000 pounds
- Vehicle securement – Floor tracks, winches and harnesses
- Conforms to AAR M-950 and M-951A clearance limits for auto racks
TTUX Uni-Level Car Specifications

NOTES:
LIGHT WEIGHT - 93,000 LBS ESTIMATED
LOAD LIMIT - 127,000 LBS ESTIMATED

CLEARANCE PROFILE - CONFORMS TO AAR M-950A FOR AUTO RACK CARS, BUT WIDTH IS INCREASED BY 6" TO COMPENSATE FOR 7'-6" SHORTER TRUCK CENTERS.

TRUCKS - NATIONAL SWING MOTION MTH-333 WHEELS AND 4" TRAVEL SPRINGS
COUPLER CUSHIONING - 10" TRAVEL M-9210 DCC UNITS PORTED FOR RACK CARS
END DOORS - TRI-FOLD TYPE HINGED AT SIDES
VEHICLE SECUREMENT - FLOOR TRACKS AND WINCHES WITH WEBBING TIRE HARNESSES
CAR WILL BE SUPPLIED WITH TWO DETACHABLE BRIDGE PLATES RATED AT 11,000 LBS

GENERAL ARRANGEMENT
18FT 5-1/2IN HIGH
UNI-LEVEL CAR

CHICAGO, ILLINOIS

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DRAWN: BPP
CHECKED: FAM
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Portec Chock and Harness

Installed on 40” Diameter Tire
Chocks and Clearance
Benefits Of Uni-Level

- Competitive quality advantage sets a new industry standard
  - Deliver factory fresh vehicles, damage free
    - Current automotive industry averages 99.7% damage free shipments
  - Reduction in warranty claims
- Meet delivery commitments through use of existing automotive infrastructure
- Unilevel option frees up critical resources
  - Haulaway/Driveaway driver shortages
  - Cost to procure, inventory, and manage saddles for piggybacking
Benefits Of Uni-Level

- Simplified delivery process for flat loading of units
  - Vehicles are driven on and off
  - Eliminates decking and undecking costs and damage
  - Eliminates the need to remove and reinstall components (air foils, axles, stacks, etc.)
  - Creates new delivery options such as dealer pickup of vehicles or forward placement of inventory
  - Provides overall vehicle transportation cost savings
What Services Are Available?

- Load Planning
- Optimized Mode Selection
- Automated Load tender
- Freight payment
- Carrier settlement
- Vehicle Inspection
- Document imaging
- Automatic alerts
- Claims management
- Web based VIN visibility
- On line pipeline and management reports
- Strategic Network
  - Optimization
  - Design
  - Implementation

Select only those services that meet your needs
The Uni-Level car is designed to handle a variety of heavy duty vehicles:

- trucks
- busses
- RV’s
- chassis
- military vehicles
- farm machinery
- tow trucks
- street sweepers
- high rail
- delivery vans
Up-fitter Units - Fire trucks
Trucks Driving From One Car To The Next
Sprinter Van
Recreational Vehicles
Military Vehicles
Farm Machinery
Uni-Level is Moving Now

- Cars have arrived and we are shipping
  - NS has received 55 cars
  - NS has heavy duty ramps in place
    - Purchased 4 new heavy-duty ramps in addition to existing ramps at other locations
    - Depending on the weight and width of vehicles, we also have access to all NS and UP automotive facilities
      - This works well for tall vehicles-Sprinter Vans, UPS trucks, etc…
  - VINview is rolling out to customers
    - This allows you to actually drill down to VIN information on each railcar so you always know the location of your vehicles
    - This web based application will provide 24-7 access to your VIN information
Uni-Level has Launched

International Truck & Engine
Springfield to Titusville

Utilimaster
Elkhart to Long Beach
Norfolk Southern Puts It All Together

- NS creates a new paradigm for large vehicle delivery
- NS/Modalgistics will integrate with your existing carrier base
- Uni-Level advantages include:
  - Fully managed Supply Chain with optimized modal selection
  - Integrates existing modes and carriers
  - Reduces damage and improves quality
  - Complete network solution including VIN visibility and alerts
  - Competitive per unit delivered cost