



The *MegaWay*TM Cost Story



Why cost is so much lower than other elevated systems

ROAM Transport Systems, Fort Worth, Texas

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U.S. PATS. 6,039,135, 6,401,625, 6,435,100, 6,615,740, 6,742,458, 6,834,595, 6,837,167, & 7,926,425 B2

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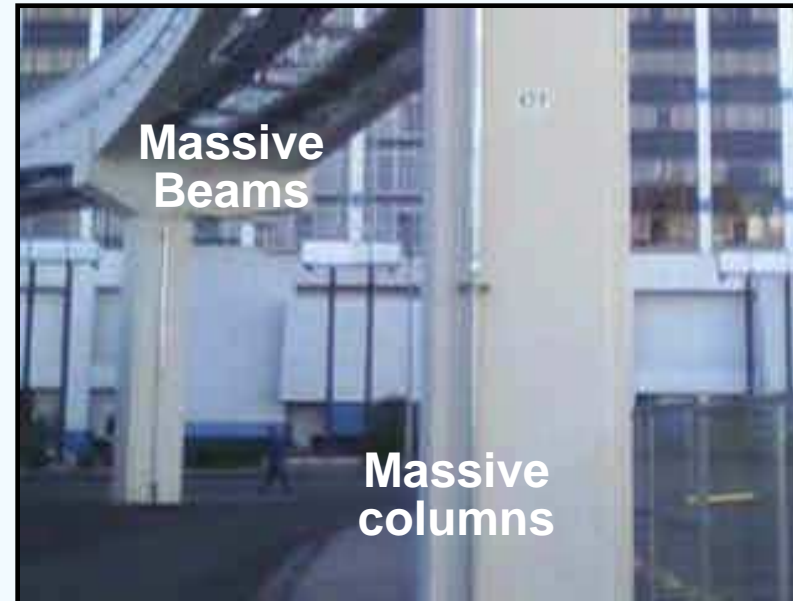
ROAM graphics & photos

Roots of Other Systems Cost Problems

Massive columns & guideway structures



Elevated LRT – \$190M/mi +



Monorail – \$160M/mi +

Similar Size D/FW Airport Elevated Skylink APM – \$184M/mi

All are Very Expensive to Build

Why Massive Guideway Structure is Needed

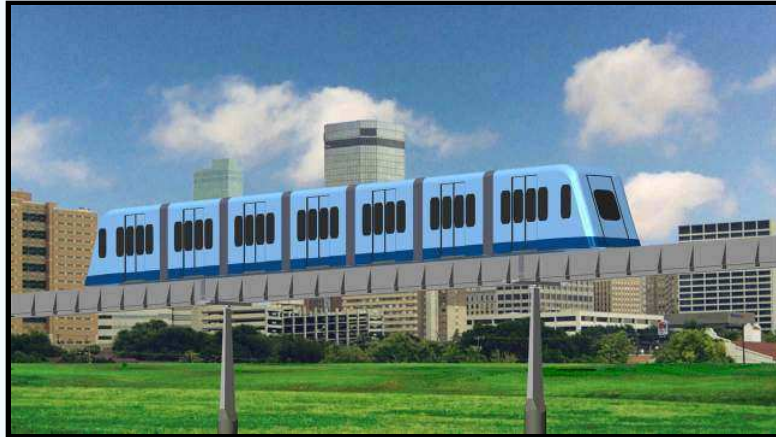


Elevated Dallas DART Light Rail Train

Cars – Typical Empty Weight – 100,000-lbs
Passengers - Max Load Weight – 28,000-lbs
Total Load per Car – 128,000-lbs

Heavy Loads Require Massive & Expensive Guideway

Why *SuperWays* are Light Weight



Ultralight *MicroWay & MegaWay SkyCoach* urban transport trains

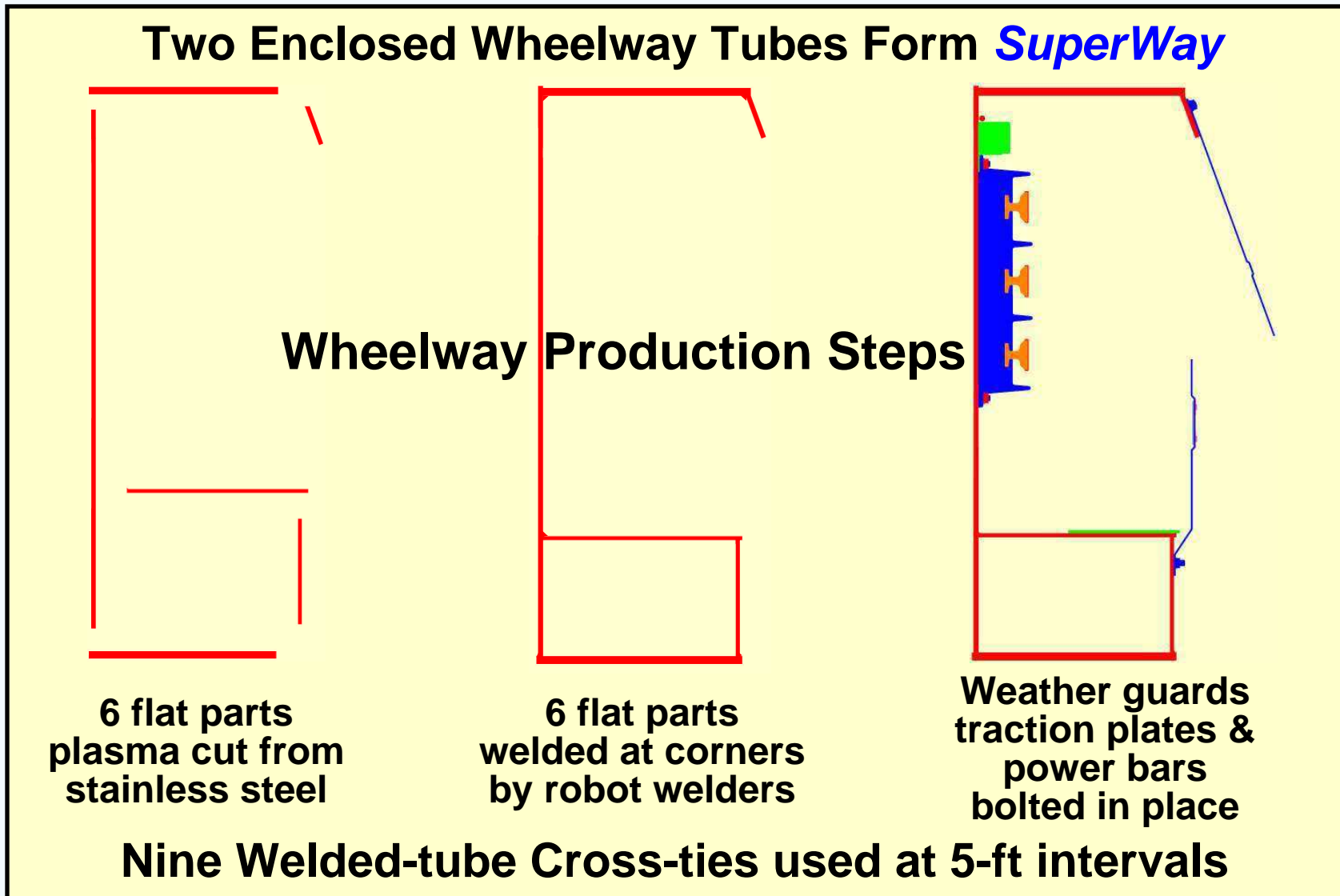
- *MicroWay* car weight – 4,200-lbs
- *MegaWay* car weight – 6,000-lbs
- *MicroWay* car Length – 10-feet
- *MegaWay* car length – 20-feet

MicroWay & MegaWay use 50-foot long guideway sections

- *MicroWay* max guideway load
5 cars x 4,200-lbs = 21,100-lbs
- *MegaWay* max guideway load
2.5 cars x 6,000-lbs = 20,000-lbs

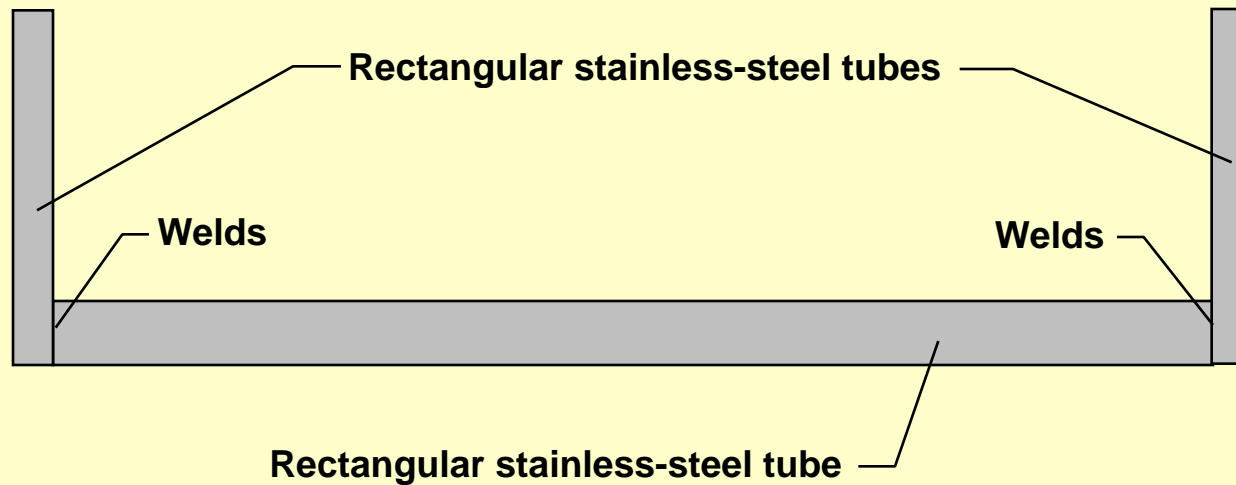
***MegaWay & MicroWay* Guideway Loads \approx 15% of other Elevated Systems**

Low-cost *SuperWay* Production Design



Cross-tie Assemblies Production

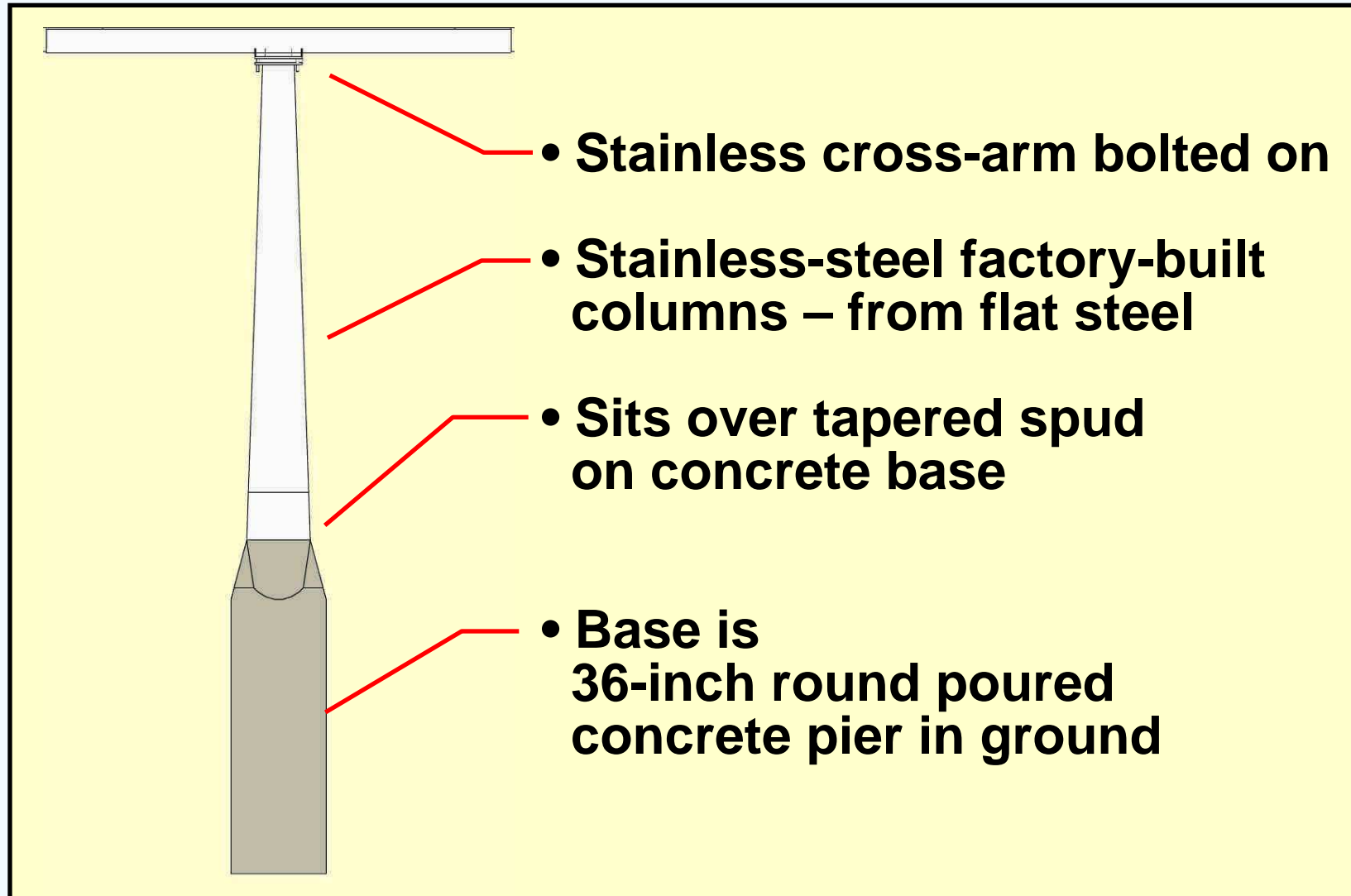
Made from welded, stainless-steel tubing



- Tube sections plasma cut by automated cutters
- Tubes welded together in fixture by robot welders

Cross-Tie assemblies welded in place at factory

Ultralight, Low-cost Factory-built Columns



ROAM has Solid *SuperWay* Cost Data

- **201 Stainless-steel material cost is known**
- **Firm, fixed price bids from 3 manufacturers for guideway elements production**
- **Installation costs based on current structural steel erection costs**
- **Concrete pier cost from current pier costs**

Vehicles Designed for Low Cost Ultralight Design & Ease of Maintenance

- **Systems in lower chassis unit for access ease**
- **All metal parts cut by robot plasma & laser cutters**
- **Most raw material is tubular and flat stainless-steel**
- **Entire structure of welded stainless sheet & tube**
- **Formed aircraft-type composite material interiors**
- **Bus-type fold-out electrically operated doors**
- **Simple, fold-up cabin passenger seats**
- **Empty car weights – 2,000 to 2,700 pounds**

Cars are ultralight weight & low cost

***SuperWay* Cost & Availability Summary**

- ROAM does design, integration & support
- Subcontractor team able to provide capacity
- Installation subcontractor (Austin Bridge) capable of all field engineering & installation
- Major subsystems from established sources
- ***SuperWay*** is 90% of cost – Firm bids secured
We know that system costs are correct!

***SuperWay* is the lowest cost approach**



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