



***R*.SWITCH**

Customer Connection Switch
Patent Pending

Switch to RSWITCH

Keep your Customer

Replace mainline customer switches

Add new customer connections

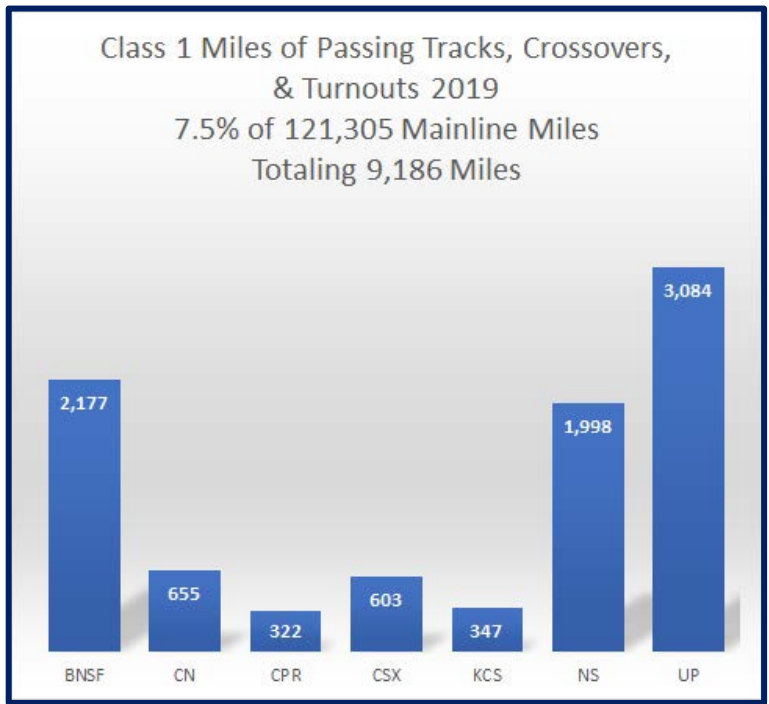
Trains get a Smoother Ride

No Frogs – No Points

Common Customer Switch Issues and Concerns



- Customer Switch**
- 2 Power Switches
 - 2 Sets Signals
 - PTC Coverage
 - \$1 M Installation cost
 - \$ big dollars On-Going Maintenance Costs
 - Used 60-80 Times Yearly by customer
 - Switches wear-and-tear by mainline trains every day



Class 1 RR's each Replace 400+ Switches per Year

- Expensive to Install
- Continuous Cost to Inspect/Repair
- 100% of Switch Wear on Frogs and Points is caused by Passing Mainline Trains
- Derailment Risk
- Low Use by Customer

RSWITCH - Reduce Risks and Costs

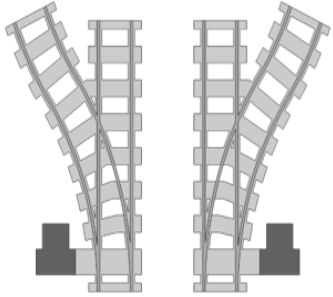


[Click here to See Video](#)

Replace mainline customer switches
Add new customer connections
Reconnect previous customers



RSWITCH – Outstanding Features



Modular Design
Configure Right or
Left Movement



One Person
Switch Operation
Electro-Hydraulic
Throw Assist
Continuous Solar
Charging

Main Track



Spur Track



Match any
elevation & plan
differential

Simple Installation



+



+



+



4 People

8 Hours

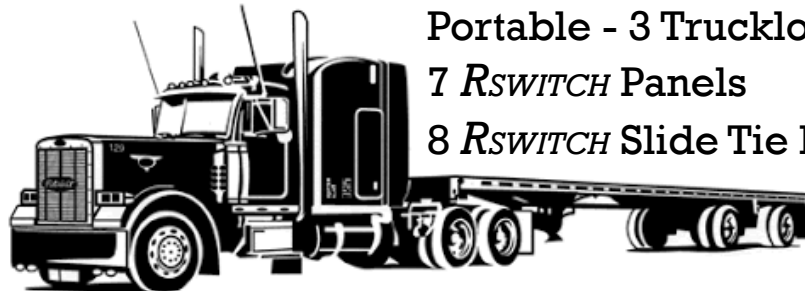
100 Tons



- Positive Impact
- No Slow Orders
- Safety Locks
- Shunts Track
- Dual Lock Clamps Secure Switch in Place

STEALTH

Not connected
to mainline
Track, no
Signals/PTC
required, no
rails cut to install



Portable - 3 Truckloads
7 *RSWITCH* Panels
8 *RSWITCH* Slide Tie Panels



CAPACITY:
All Locomotives
All Loads
5 MPH over
Rswitch

R SWITCH Value

Mainline Customer Connection – Swap Switches - Keep the Customer



1,2 & 3 Mainline Customer Connection Switches



Road switcher pulls up to spot customer cars



Mainline train moves over customer switch connection

RVALUE



gg64210217 GoGraph.com



VALUE POINT	RAILROAD	CUSTOMER
REPLACE SWITCH	100%-0 COST NEGOTIATE	RETAIN SERVICE
REDUCE SIGNAL/PTC	100% BENEFIT- 0 COST	RETAIN SERVICE
WHEEL WEAR	100% BENEFIT- 0 COST	RETAIN SERVICE
DERAILMENT RISK	100% BENEFIT- 0 COST	RETAIN SERVICE
ADD NEW CUSTOMER	100% NEW REVENUE	SHIP BY RAIL

RSWITCH - Initially Developed to Stage Rcranes near Project Sites



Switch to ***RSWITCH*** - Keep the Customer

We are **R**CRANE



Paul H. Markelz with the Rcrane Team

Paul H. Markelz, Founder/Inventor, CEO is a Civil/Structural Engineering Graduate of Marquette University. Paul is a career long bridge builder, starting with long span post-tension concrete highway bridges, who then Built the Rcrane Team to design/build long span types of bridges for the railroad industry. We observed how the railroads build bridges and developed new machines methods to build faster and safer, while reducing disruption to rail traffic. We saw opportunity to also build bridges with fewer, longer spans to reduce project duration and impact on railroad operations. We designed Rcrane as a crew safe, variable width, dual gantry, thru-crane, portable staging and delivery system.

Our motto: “Build Better, Safer, Sooner, Longer, Stronger”

Rcrane has a 100% record of delivering projects on-time, on-budget, and with ZERO injuries.

We are always looking for opportunities to improve and innovate new tools and services.

We identified an opportunity to move Rcrane closer to where our projects are located to save travel time, increase daily productivity, and deliver more value to our customers. Rswitch is our answer to the challenge; designed, prototyped, and proven in 3 months, we can deliver yours now!

Rcrane CUSTOMERS



Our MISSION is to fully understand your specific railroad bridge and track construction and replacement needs. This allows us to design and supply the most durable and economical bridge, track, and railroad crossing improvements. We we strive to be your most valuable partner!

CUSTOMERS FEEDBACK

“This could be a great option for long term or one-off service to a temporary customer, giving the railroad the ability to offer affordable service to a customer. It seems lightweight and very easy to construct. Obviously, speed is the name of the game, so this fits the bill!”

- Prefabricated and portable
- Doesn't seem to rail size specific should either track have different rail sizes
- No permanent physical attachment to ether track
- Set up for service in a day or less
- Great for production gang set out to reduce travel time to a siding (could require track panels for this purpose)
- Almost instant access to abandoned team tracks to make a short term or infrequent customer profitable, broadening opportunity
- Very Practical
- High Value
- Portability
- Easy Access to and from Stub, Team and Multiple Main Tracks
- Can be used to store some machines on tracks that do not have an outlet to main.



Switch to ***R*SWITCH**
Keep your customer!

Patent Pending

Information-Video-Pictures
at **www.r-crane.com**

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