

*A newsletter for employees of RailWorks Corporation and its subsidiaries*

AGRICULTURE AND BIO ENERGY

*At the Junction of Grains and Trains*

## **RailWorks Helps Ag Customers Reap ROI**

Farm cooperatives and similar agriculturally based businesses continually seek the best methods for moving their products, and RailWorks' subsidiaries help to ensure the safe and efficient transport of these commodities.

At several rail-served grain storage and distribution sites and biofuel production facilities in the Midwestern United States and in Canada, RailWorks' subsidiaries have played an integral role during expansion, reconfiguration or greenfield construction.

## CargillAg Horizons

*Atchison County, Kan.*

RailWorks Track Systems constructed eight turnouts, like the one on the cover, as part of an expansion at the CargillAg Horizons grain-handling facility in northeast Kansas. Area Manager Chad Taylor of the Fremont, Neb., office oversaw a Central Region crew that replaced about 11,900 track feet of 85-lb. rail with 136-lb. rail, finishing their work in early May 2017.

This site, near Atchison, is one of more than 100 Cargill facilities in North America where RailWorks subsidiaries have performed track work in the last several years.

RailWorks Track Systems' installation of heavier rail is allowing Cargill to accommodate greater volume and heavier carloads of corn, sorghum, soybeans and wheat shipped from this location to major U.S. hubs for export.

Union Pacific serves the plant.

## Producer Ag LLC

*Sumner County, Kan.*

At the new Producer Ag LLC grain storage and loading plant in south-central Kansas, RailWorks Track Systems provided the rail infrastructure. Central Region crews constructed an 11,733-foot loop track, two lead tracks connecting to a BNSF main line, a storage track, five crossings and six switches. The owner-operator is farm cooperative Cenex Harvest States (CHS) and global agribusiness Mid-Kansas Cooperative (MKC).

Storage capacity at the plant, located in the world's largest wheat-producing county, is an estimated 7.5 million bushels. The loop track can hold 120 railcars, and a high-speed rail loader at the facility creates a load-out capacity of 80,000 to 100,000 bushels per hour.

RailWorks Track Systems completed its work in early June 2017. With its rail service, the facility is able to provide producers in the region with fast access to worldwide markets.

**Tamping Supervisor Bill Rozevink, left, walks the Producer Ag LLC loop track with Operator Dan Murphy.**







PNR RailWorks Pacific Region crews constructed these tracks and more for a large expansion project at the Cargill North Vancouver Rail Terminal.

## Cargill North Vancouver Rail Terminal

### *Vancouver, British Columbia*

For another CargillAg job, this one in Canada, PNR RailWorks completed a \$5.5 million job in 2016 as a subcontractor to PCL Constructors Westcoast Inc.

Luke Dorn served as project manager for PNR RailWorks in its role to expand the terminal yard and the car loading and receiving capacity. Pacific Region crews removed and rebuilt about 9,500 feet of track including 300 feet of direct-fixation track, and added 14 new #10 turnouts.

During a scheduled 48-hour shutdown, two crews rotated shifts to complete the replacement of four track switches. PNR RailWorks coordinated closely with PCL, with two crews alternating shifts through the shutdown.

Another significant portion of this job was removing and replacing grade to accommodate increased track elevation that averaged 1 foot. PNR RailWorks demolished, rebuilt and upgraded 550 lineal meters (about 1,800 feet) of retaining walls, trenched 400 meters (about 1,300 feet) of new electrical conduit and erected 12 light poles.

Hours of planning to minimize disruption to operations were successful. During the construction period, the grain terminal not only remained fully operational, it broke several production records.

The changes at the facility have enabled Cargill to increase its daily unload capacity from about 125 cars to about 175. The overall project was recognized with a 2017 Vancouver Regional Construction Association silver level Award of Excellence for projects of its size.

## Al-Corn Clean Fuel

*Claremont, Minn.*

In southern Minnesota, Al-Corn Clean Fuel is poised to more than double capacity of ethanol production with the completion of a plant modernization and expansion project. RailWorks has played a supporting role by constructing a new triple-loop track and related track infrastructure.

Due to a wet spring and delayed grading work, RailWorks Track Systems got a late start on track construction. Working as a subcontractor to General Contractor McGough Construction Co., crews based in Lakeville, Minn., constructed 29,200 feet of track with steel ties, including a 27,100-foot triple loop track, receiving and load-out tracks, 668 track feet of crossings with concrete panels and 13 turnouts.

Led by Project Manager Roger Recker with support from Foreman Chuck Treague, the job required navigating a busy project site and coordinating with other contractors working on the plant expansion. Up to 15 employees worked on the project at peak phases, especially during four-hour windows when crews installed two No. 15 turnouts to connect with CP's main line.

Track construction wrapped up at the end of 2017.

## Elite Octane, LLC

*Cass County, Iowa*

RailWorks Track Systems helped Elite Octane, LLC, to finish construction of a \$196 million dry mill ethanol plant in west-central Iowa that was started and then abandoned more than a decade ago. The privately held company took over the partially constructed plant, strategically located on 102-acres with access to the Iowa Interstate Railroad (IAIS) and nearby connections to Class I railroads. When operational in 2019, the plant will have the largest free-standing grain silo bins in the United States and capacity to produce 120 million gallons of ethanol each year.

Under the leadership of Project Manager Clayton Mattice, RailWorks Track Systems constructed a five stub-track rail yard with earth bumper and three loading and unloading tracks. In all, crews constructed 35,000 feet of ballasted track with wood ties — nearly 7 miles — featuring installation of 11 No. 9 turnouts and a highway grade crossing. To provide tanker access to the loadout facility, RailWorks Track Systems also built 550 feet of direct-fixation track over galvanized girders in the pit area.

Construction of eight skeleton tracks wrapped up at the end of 2017. Crews completed construction during the first part of 2018.

RailWorks Track Systems helped bring an abandoned dry mill ethanol plant back to life for Elite Octane, LLC, in west-central Iowa.



## Changes to the Newsletter

We've made a few changes to RAILWORKS TODAY to include more employee information. The newsletter used to do double duty, first as an employee publication and second as a vehicle shared with customers. Going forward, it's all about you.

And we've gone from monthly to quarterly, opening our production cycle. We're still showing off the pride-instilling jobs at the heart of our business, and we're adding more information gathered from throughout our organization.

So keep Communications informed about projects, key departmental initiatives, your industry leadership posts, conference presentations, attendance at industry events and more. Email [communications@railworks.com](mailto:communications@railworks.com) or reach out to Emily Feliz or Lee Martin.



**KEEP US  
INFORMED**

## Dedicated to Respectfulness

Sexual harassment is a topic that has been in the news for the past several months, notable in the #MeToo and Time's Up movements.

Respect in the workplace is of paramount importance at RailWorks. Notably:

- During the first quarter of every year, it is among the primary topics of field training. Human Resources has conducted 31 field training sessions in 2018 on the subject of preventing harassment and discrimination.

- Employee courses on the topic are part of the the RailWorks E-Training Learning Management System.
- In a December email message to employees, President and Chief Executive Officer Kevin Riddett underscored RailWorks' ongoing and constant commitment to a work environment that is free of any type of harassment.
- Kevin's message was promptly carried forth at the outset of field safety briefings throughout the company.
- Posters with a Zero-Tolerance-for-harassment message were distributed in February to all offices.

All are reminders of leadership's dedication to employees and treating one another with respect.

**ZERO  
TOLERANCE**



## Pennsylvania Company and Owner Guilty in Bid-Rigging Scheme

*On January 22, 2018, the owner of a Pennsylvania engineering and surveying company, Czop/Specter Inc., was sentenced to 3 years' probation, a \$10,000 fine and ordered to perform 50 hours of community service for his role in a bid-rigging scheme to which he pleaded guilty in 2016. It was alleged that the owner sent more than \$130,000 to an associate of a PennDOT official, and in turn, PennDOT awarded him four separate consulting contracts worth \$10 million. It was also alleged that the company fraudulently inflated billable hours and mileage claims submitted to PennDOT for payment. The company and owners were also previously suspended, pending debarment, by the FHWA.*

A lesson from this story: The bid-rigging and fraudulent-billing scheme engaged in by Czop and its owners are illegal, strictly prohibited by RailWorks' Standards of Conduct and contrary to RailWorks' commitment to conduct itself with integrity and the highest standards of ethics and compliance. As a reminder, no RailWorks employee

may engage in any form of business inducement, extortion or bribery, or otherwise engage in anti-competitive and unethical business practices. Such conduct can lead to civil and criminal liability, suspension and debarment from government contracts, as well as a reputation of having a poor ethical culture, all of which affect the ability to win future work.

Compliance is a fundamental business standard at RailWorks. Watch for more "Compliance Matters" examples in RailWorks Today. Employees can address any questions or comments to RailWorks' Vice President, Assistant General Counsel and Chief Compliance Officer, Christopher K. Smith.



## Are There Students in Your Family?

Your college-bound family members have scholarship opportunities through the rail industry. Some are for students pursuing industry-related careers; others are not. Here are a few that we want to ensure you're aware of.



[Canadian Association of Railway Suppliers](#) (deadline April 30)

[Railway Systems Suppliers, Inc.](#) (deadline June 1)

[Railway Engineering-Maintenance Suppliers Association](#) (deadline June 8)

[Railway Supply Institute](#) (deadline June 8 - open to current collegians only)

[National Railroad Construction and Maintenance Association](#) (deadline August 31)

# 2017: The Year of Wow!

RailWorks' 2017 theme was "Commitment," but it turns out also to have been the year of "Wow!"

Congratulations to all RailWorks employees whose commitment led to a stellar 2017! At the annual RailWorks Leadership Meeting Feb. 8-10 in Delray Beach, Fla., President and CEO Kevin Riddett told attendees to be sure to thank their employees – meaning you – who brought forth dramatic revenue growth, extraordinary safety improvement and the greatest backlog of work in company history. "When you look at the overall results of the company," said Kevin, "you have to be proud of what you did."

At the meeting, three project teams plus a grand champion group received awards for 2017 safety and operational excellence. New York Transit was honored with the Golden

Spike award for the Second Avenue Subway project in New York, N.Y.; a RailWorks Track Systems-L.K. National Transit team received the Silver Spike award for the El Paso (Texas) Streetcar project, and RailWorks Signals & Communications picked up the Bronze Spike award for a project installing positive train control technology for CN in Minnesota, Wisconsin and Illinois. The 2017 Louis K. Comstock Award went to RailWorks Track Systems, Gulf Region, for the Sasol Track Project in Lake Charles, La.

The charge for the remainder of 2018 is to maintain the momentum! To continue to deliver exceptional growth, Kevin says, we'll emphasize acceleration. The company has identified a number of accelerants; which ones are you focused on?

Kevin Riddett, president and chief executive officer (center) is joined by representatives of 2017 award-winning projects. From left: Bob Rolf, vice president and general manager, Gulf Region; Robert Sceles, chief estimator, New York Transit; Desmond McGoey, vice president, New York Transit; Bill Heavin, vice president, West Coast Operations, L.K. Comstock National Transit; Kevin; Zafar Arif, project manager, L.K. Comstock National Transit; Bill King, senior vice president, North America Track; Roger Boggess, president, RailWorks Track Services; and Tim Orlandi, vice president and general manager, RailWorks Signals & Communications.



# RAILWORKSMART RAILWORKSAFE

## Honored for Good Safety Catches

Select employees throughout the company have been recognized recently for strong safety observations.

The recognition is part of a new program started in October to reward employees for proactively identifying and correcting any safety issues or potential issues. Employees complete Safety Observation Forms describing the issue they addressed, and regional or local safety personnel review and rate all submitted forms to determine who will be honored with safety certificates or other tokens of appreciation.

### Prairie Region

Welder/Trackman **Manny Cabral** used his "Stop Work Authority" to avoid a potential incident. Another contractor, acting as a spotter, was guiding a vehicle with a trailer that was backing up directly into the area where PNR RailWorks was working with employees and equipment. The spotter was focused on his duties and did not have situational awareness.



Manny Cabral

In another observation, to protect workers during maintenance procedures, an employee was asked to place derails and flags on the track (per Transport Canada Rule 841 pertaining to Protection of Track Work on Non-Main Track and in Cautionary Limits). Foreman

**Tom Fahey** inspected the derails and found that they were placed incorrectly and would not provide the protection intended. Tom then showed the employee who'd placed the derail the proper way to install it and reviewed the



Tom Fahey

significance of proper installation for providing workers' track protection.

### Chicago Area

**Matt Barmes**, foreman. While cutting rail using the backhoe to hold the rail away from another rail while trying to make a cut, an observation was made that when the cut was finished the rail had the potential to come back and possibly strike the employee cutting. Matt stopped work and repositioned equipment and direction of the saw cut to ensure if the rail moved, it would be in the direction away from the worker.

**Javier Valadez**, foreman. While operating a speed swing pulling a load of continuous welded rail on rail dollies, Javier contacted Superintendent Andrew Merton with a concern about there not being a second machine at the trailing end in the event there was a failure in the block puller and safety chain (since the direction of travel required them to pull up an incline grade). Andrew and the crew briefed and decided to have one of the loaders positioned on the trailing end to assist. This was a good example of recognizing a potential issue by Javier, and good job of discussion and planning by Andrew.

**Wayne Postlethwaite**, operator. During night work, after backing a hi-rail dump down the rail about 11 times to dump spoils with no problems, on the 12th trip, the driver spotted a light behind him on the track and observed it was a utility company working on signals on that track. Wayne stopped the truck and briefed with the other workers that he would be driving on the track, and that they would need

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# RAILWORKSMART RAILWORKSAFE

## Honored for Good Safety Catches *Continued from page 8*

to make way for him when he came through. Better signal lights to indicate when signal employees would be working on dark track was discussed and will be implemented

**Andrew Merton**, superintendent. Andrew was recognized for turning in the most quality good catch/near miss reports from his work sites.

**Mark Heikes**, mechanic. As Mark was assisting with the loading of tamper onto back of a truck, he noticed a problem with the crane operation and immediately stopped the operation. The truck and all employees were moved further back to safe area, and the tamper was lowered back onto the track. It was discovered that a severe kink and "bird nesting" of the cable had occurred in the main winch cable that was on top of boom. The bad end of the cable was cut, and the remaining cable was restrung through the block and tackle.

### New England Area

Two employees out of the Northeast/Westfield, Mass., office have received safety recognition. General Superintendent **Dave LaFountain** was given an award for the number of good catch/near misses he reported – far more than any other person in that area.

The second award was given to Operator **Cameron Bouska**. When checking to ensure that an electrical box

controlling the third rail was still properly locked out, Cameron noticed that our lock had been removed and was on the ground. The lock was not cut, so it had been properly removed with a key. RailWorks was told that we had the only key to that lock to ensure no one could remove it if we locked out a device. However, it turned out lock was a customer-supplied lock with a second key supplied to the electrician, which does not follow proper lockout procedures. RailWorks stopped work and had a meeting with all parties involved, clarifying that only RailWorks-supplied locks would be used going forward.

### Central Region

In January, Tamper Operator **Bill Rozevink** was working at one end of the Elite Octane jobsite in Iowa when he saw a car catch fire on a nearby gravel road. Bill was quick to grab his fire extinguisher and put out the car, saving the vehicle.

Foreman **Gary Saldania**, who works out of Green Bay, Wisc., discovered a switch on a client's property that was in need of emergency work. This switch had just been inspected by a railroad inspector and the client.

While unloading multiple pieces of track equipment off of semis onto CN track for a large tie replacement and surfacing job in Wisconsin, Production Crew Operator **Matthew McBride** provided good communication among co-workers to keep all around him out of harm's way.

## May 7-11, 2018

RailWorks will sponsor Construction Industry [Safety Week](#), an annual event among construction businesses to increase and promote safety awareness and commitment. This year's observation features the theme "The Power of Safe Choices." Watch for more information.



# Procurement Rolls Out New Portal

The Procurement Department has launched a redesigned [portal and dashboard](#). It includes:

## Preferred Vendors

- Materials
- Equipment Rentals
- Travel & Entertainment
- Safety
- Maintenance, Repair and Operations
- Financial Services
- Fleet
- Office Supplies
- Communication

## Pricing/Agreements

### Master Service Agreements

### Spend Dashboards/Reporting/Metrics

### Employee Discounts

### Training/Procurement Policies

### Procurement Contacts

Procurement makes possible several employee discounts through various vendor arrangements. Here's more about what you'll find in the Employee Discounts section of the portal:

- **Ford** vehicle purchases – Employees, retirees and household members are eligible for exclusive discount pricing. [Ford X-Plan](#)
- **Verizon** phone services – A 22 percent discount is available for employees using Verizon phone service. Verizon Wireless - [Discount](#)
- **AT&T** – Wireless Services – RailWorks employees can save up to 22 percent using their RailWorks email. AT&T Wireless - [Discount](#)



- **Tickets at Work** program – RailWorks employees can receive discounts for theme parks, theater and more. [Tickets at Work](#)
- **The Parking Spot** – Employees receive a discount on all airport parking at The Parking Spot for both business and leisure travel through the Spot Club Exec Program. [The Parking Spot](#)
- **National Car Rental** – National Car Rental is the preferred rental partner for business travel. The same favorable rates negotiated for business trips apply to employees' leisure travel, too. When making a reservation with National (along with Enterprise Rent-A-Car and Alamo Rent-A-Car), use the contract identification number for RailWorks: XZ24A68. If you haven't done so, join the [Emerald Club](#) at Base Level. If you have "status" with a competitor, you'll receive an email with further steps.

The Employee Discounts section on the portal sidebar contains all the details on benefits offered and how to enroll.

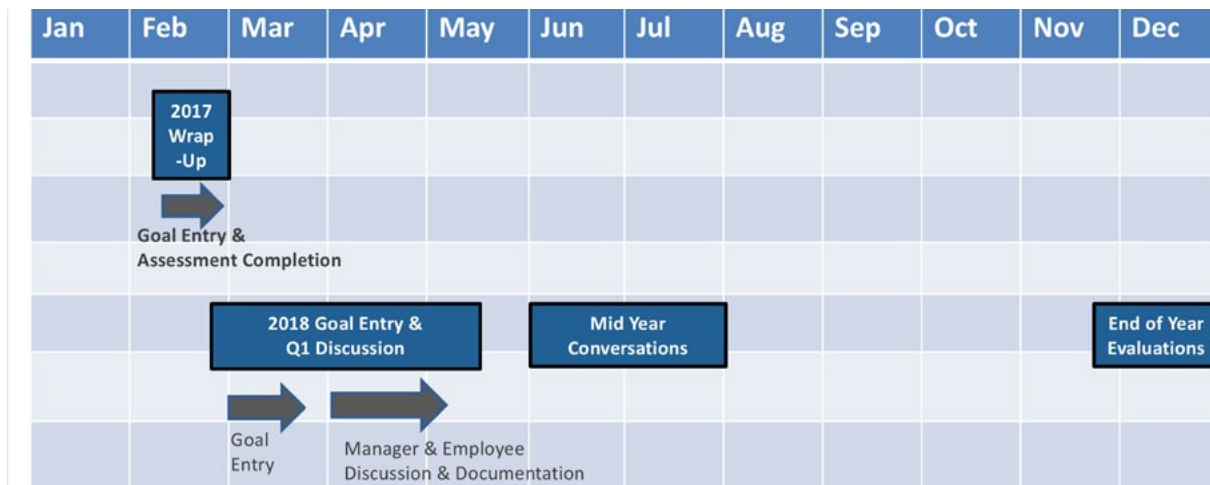
# Welcome

RailWorks welcomes the following employees who've joined us in the first quarter of 2018:

Employee Name	Title	Company
Michael Carrasco	Senior Signal Engineer	L.K. Comstock National Transit
Kyle Moffett	Administrator	L.K. Comstock National Transit
Amanda Rabiei	Administrative Assistant	RailWorks Signals & Communications
Jasmine Santiago	Civil Engineer	RailWorks Transit
Nzinga Porter	Civil Engineer	RailWorks Transit
David J. Pulice	Director of Operations	HSQ Technology
Stephen Gillespie	Project Manager	HSQ Technology
Matthew Puskas	Senior Estimator	HSQ Technology
Adomas Bauzys	Project Engineer	Railworks Track Services - SoCal
Evan P. Klein	Project Engineer	RailWorks Track Systems – Central
Amanda Barnes	Administrative Assistant	RailWorks Track Systems – Central
Janet Alexander	Safety Assistant	RailWorks Track Systems – South
Luis Barrientos	Safety Coordinator	RailWorks Track Systems – South
April Watson	Payroll Associate	RailWorks Maintenance of Way
Steven Keller	Supervisor	RailWorks Maintenance of Way
Agstya Kaul	Assistant Project Manager	PNR RailWorks Eastern Region
Issam Homsy	Junior Estimator	PNR RailWorks Eastern Region
Gregory Taves	Senior Estimator	PNR RailWorks Eastern Region
Anders Bergenwall	Project Engineer	PNR RailWorks Signals & Communications
Gary Henriksen	Superintendent	PNR RailWorks Signals & Communications
Mohamed Kayoom	Materials & Logistics Coordinator	GO Transit
Perry Colasimone	Signal Specialist	GO Transit
Ganesh Babu Therala	V&V Engineer	Union Station Rail Corridor
Hani Anton	S&C Technical Specialist	Union Station Rail Corridor
Patricia Ingram	Cost Accountant	Union Station Rail Corridor
Binal Solanki	Project Coordinator	Union Station Rail Corridor
Abdel-Fattah Toukan	Contracts Manager	Union Station Rail Corridor
Moustafa Hamadi	Scheduler	Union Station Rail Corridor
Anuoluwapo Adewoye	Staff Accountant	PNR RailWorks
Eric Hasemeyer	Regional Sales Manager	RailWorks Corporate
Michael Waits	Fleet Manager	RailWorks Corporate
Gaurav Sabharwal	Project Controls Engineer	RailWorks Corporate
Morgan Wilkins	A/P Associate	RailWorks Corporate
Sheryl Arbeitman	Payroll Associate	RailWorks Corporate
Kristoffer Berntson	Desktop Support Technician	RailWorks Corporate
Dan Gear	Controller	West Regional Center
Melissa Garcia	Office Manager	West Regional Center
Rene Allen	Payroll Associate	West Regional Center
Jay Gowan	Senior Vice President, North America Track	Central Regional Center
Holley Janiga	Accounts Payable Clerk	Central Regional Center
Desiree Smith	Accounts Receivable Clerk	Central Regional Center



# Reminder: Success Factors Timeline



Employee goals have been entered into the new Success Factors performance management system. As we move into the Continuous Performance Management period, managers will be engaging in online topic review and information exchange with employees. Discussions surrounding goals will be ongoing, with managers having formal mid-year review conversations with their teams in June or July. Log in to Success Factors at SharePoint/Human Resources/Actions/Performance Management.

## On the Move

### Chicago Area

**Tim Scheller** has assumed the role of interim regional manager for our Chicago operations. Tim maintains his St. Louis area manager role and also will lead the Chicago team, providing support alongside Chicago Area Manager **Tom Jorczak** as they work to backfill some Chicago positions. Operations and Project Execution in Chicago will continue to report to Tom.

### Southeast Region

**Scott Stark** has assumed the role of Area Manager in the Southeast Region.

### Prairie Region

**Markus Kraemer**, Senior Project Manager, Eastern Canada Region, has been promoted to general manager - Prairie Region, at PNR RailWorks. In his new role, Markus will be based out of the Edmonton, AB, office and will be responsible for all aspects of running the Prairie Region.

### Corporate Safety

**Greg Coleman**, corporate director of Health, Safety and Environment (HSE), who previously reported to **Chris Smith**, vice president, assistant general counsel and chief compliance officer, now reports directly to **Kevin Riddett**. Chris, meanwhile, resumed his Legal-Compliance role and supports the Safety organization from a legal and compliance perspective. He continues to report to Ben Levy, executive vice president and general counsel, on all legal matters and to Kevin on all compliance matters.

### Central Region

Effective April 20, **Dan Doyle**, general manager, vacated his current position and is taking a personal leave of absence. And after a career spanning 44 years, **Steve Kadrlík**, operations manager, is retiring as of April 27. **Richard Carney**, senior vice president – North America Track, has assumed day-to-day responsibilities for the region.

# NEWS ACROSS THE LINE



Employees at work at Tooele Army Depot in Utah are, from left: Laborer Justin Bullock, Track Supervisors Mitch Saylor and Tim Heitzman, Laborer Ellison Dean, Project Controls Engineer Ash Vijaykumar, Laborer/Driver Bill Thompson, Track Supervisor Travino Taylor, Equipment Operator Audley Kucklick, Laborer Geff Duncan, Operator Sheldon Prettyboy, Operator/CDL Driver Ryan Prickett, Laborers Marshall Bull, Sheldon Willie, Toby Bitsui, Austin Hanuska and Shawn Hosteen, and SLD Expert/Mechanic Dave Spencer.

## RailWorks Track Systems

In the Mountain District, RailWorks Track Systems is on a lengthy, multi-phase contract with the U.S. Army to provide a massive track upgrade at the Tooele Army Depot in Tooele County, Utah. The 43,000-acre ammunition storage site, one of five such Army facilities in the U.S., contains 43 miles of rail. The rail upgrade will allow for new, heavier locomotives.

RailWorks began the job in 2016 and is currently working in Phases 2 and 3 of four contract phases. The project consists of two individual mainline tracks, the G-Line and the K-Line, which together have 24 sidings, six spurs and two bypass tracks.

The work calls for:

- Demolition and removal of 38,278 track feet of 75-lb. rail and 52 #8 turnouts
- Furnishing 115-lb. rail to construct 30,258 feet of track on timber ties
- Furnishing and building 52 #8 turnouts on timber ties
- Distributing 18,576 tons of ballast
- Surfacing, lining and dressing all track and turnouts
- Furnishing and installing 21 sliding derails
- Furnishing and installing 216 track feet of precast concrete grade crossing panels

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## CALENDAR NOTES

### Industry Events

May 21-24	Railways Systems Suppliers, Inc. (RSSI)	Omaha, Neb.
June 7-8	Rail Insights	Chicago, Ill.
June 10-13	American Public Transportation Association (APTA) Rail Conference	Denver, Colo.

### Talent Acquisition Events

May 24	RecruitMilitary Job Fair	New York, N.Y.
May 24	RecruitMilitary Job Fair (tentative)	Seattle, Wash.
June 14	RecruitMilitary Job Fair	Los Angeles, Calif.
June 21	RecruitMilitary Job Fair (tentative)	Atlanta, Ga.

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This RailWorks Track Services SoCal-Chicago team upgraded track for a portion of Southern California's Metrolink commuter rail system. Thirty-two employees based out of the Southern California Area Office in Santa Fe Springs and another 21 from the Chicago Area/Minooka location came together on this track segment. The work was part of an initiative by Metrolink's governing group, the Southern California Regional Rail Authority, to replace continuous welded rail systemwide.

### RailWorks Track Services

During the first two weekends in March, employees based in RailWorks Track Services' Southern California (SoCal) and Chicago areas teamed up to perform upgrades on a portion of Southern California's regional commuter rail system, Metrolink. Crews installed 32,000 feet of continuous welded rail on the Orange Subdivision near the San Clemente coastline. SoCal Area Manager **Ralph Berg** reports that customer Southern California Regional Rail Authority, which operates Metrolink, was pleased with project production time, quality and safety. Project leaders included Project Manager **Rick McIntosh**; from SoCal, Superintendents **Luis Branco** and **Felipe Hernandez**; Foreman **Steve Larson, Ray Rivera, Daniel Limon** and **Rudy Almanza**; and from Chicago, Foremen **Nick Heikes, Pedro Cantu** and **Robert Lawler**.

### HSQ Technology

Among the many facets of the complex, high-tech work performed by HSQ Technology, the RailWorks subsidiary based in Silicon Valley, are the team's advances in cybersecurity. HSQ has supported extremely detailed security audits for local and federal customers for many years. Recently, more funding has been made available to secure networks and computers whose functions are to control and maintain our country's infrastructure. The long-term experience and working relationships with local and federal entities allows HSQ to assist with this type of security.

HSQ employees have just completed Phase 1 of a cybersecurity audit for the Mel Leong Water Treatment Plant at the San Francisco airport that involved replacing the system's

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# NEWS ACROSS THE LINE CONTINUED FROM 14

domain controller, and using security threat analysis software from the Center for Internet Security (CIS), identify weaknesses in the system. This is an ongoing project that will continuously update and upgrade the customer's hardware and software.

Soon, HSQ will be starting another such audit for the Port Authority of New York and New Jersey. The Port Authority is responsible for, among other things, the region's marine terminals, tunnels, and bridges. The scope of work

includes partnering with Port Authority security personnel to harden the system against cyberattacks. HSQ provides a maintenance contract and has personnel onsite daily to assist in security, upgrades and other duties.

These assessments reveal vulnerabilities and include recommendations for preventing and mitigating cyberthreats, whether they are from social engineering, espionage or foreign government attack.

## L.K. Comstock National Transit

As part of the Crenshaw/LAX project in southwest Los Angeles, a recent milestone was to close down a section of the existing Metro Green Line and carry out some complicated signaling and overhead catenary system (OCS) modifications to existing equipment. The interface work took place throughout February, and during that time, the Comstock staff worked 24 hours a day to meet the tight deadlines. L.K. Comstock is providing the systems work for the new 8.5-mile light

rail line between the Expo and Metro Green lines. It connects the Crenshaw neighborhood to Los Angeles International Airport. L.K. Comstock is a subcontractor to a joint venture led by the Walsh and J.F. Shea companies. Project leaders include **Alan Palmer**, automatic train control (ATC) superintendent; OCS Superintendent **Andrew Green**; OCS Engineer **Jonathan Javier**; Project Manager **Prat Nair**, Assistant Project Manager **Jay Goldstein** and Construction Manager **Ramon Virgen**. Revenue service on the line is anticipated by late 2019.

Employees install overhead catenary wiring on the Crenshaw/LAX project.

