



# Engineering and Operations Conference

**WYOMING**  
DEPARTMENT  
OF TRANSPORTATION 

**April 4-6**

# Tuesday, April 4

Event	Session	Presenter	Room
1:00 pm to 2:00 pm			
	Welcome Keynote Legislative Updates, Leadership, Safety & the WYDOT crystal ball "What the future holds."	WYDOT Executive Staff	Ballroom A, B, D
2:00 pm to 2:15 pm			
	Break		Ballroom C
2:15 pm to 3:15 pm			
	Wyoming Highway Patrol Dog Demonstration	Billy Quade	Ballroom A, B, D
3:15 pm to 3:30 pm			
	Break		Ballroom C
3:30 pm to 5:00 pm			
Guest	Charles Marshall		Ballroom A, B, D
5:00 pm to 7:00 pm			
	Reception / cash bar & hors d'oeuvres		Ballroom C



## Charles Marshall

### Humorous Motivational Speaker

Humorous speaker Charles Marshall is without a doubt one of the funniest and most original professional speakers providing corporate content today.

Charles is the founder and president of M Power Resources, a company dedicated to providing growth resources for business and individuals. He has over 20 years of full-time experience as a motivational speaker and comedian.

He is the author of several books including: *The Seven Powers of Success* and *I'm Not Crazy But I Might Be A Carrier*. He also has produced and performed two full-length comedy videos, *Fully Animated* and *I'm Just Sayin'!*

# Wednesday, April 5

Event	Session	Speaker	Room
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## 8:00 am to 8:50 am

Sessions	Construction Management System (CMS) Q&A	Duwane Floy, Christina Fisher, Jim Messer, Charlie Bauer	Cheyenne
	Project Development Reintroduced	Jeff Sherman, Jeffrey Griggs, Meadow Ridley	Ballroom A
	GIS/ITS/TMC Updates	Vince Garcia and Suzie Roseberry	Ballroom D
	Procurement 101	Nicholas Gronski, Aubrie Cotton, Jeff Madden	Wyoming A
	Wyoming Winter & Wind: The Weather Saga	Jared Allen and Brandon Wills	Wyoming B
	Recruitment Efforts	Cristina Taylor, Stacie West, Terra Poling, Jenny Sullivan, Ellen Teigen, Keri Long	Wyoming C
	Current State of Practice: Bridge Railing & Roadway Guardrail in Wyoming	Bill Wilson and Marshall Newlin	Wyoming D
	WYDOT-Centennial Woods Snow Fence Partnership	Shea Abbott	Sinclair
	LaRue T80 & Stellar Hooklifts	Jesse McKinley	Big Horn
	Asset Essentials-Using The Desktop & Mobile Applications	Justin Huntley and Anthony Abeyta	Sheridan

## 9:00 am to 9:50 am

Sessions	The Three Pillars of Servant Leadership	Charles Marshall	Cheyenne
	Yellowstone 500-Year Flood	Leslie Hackworth and Lyle Lamb	Ballroom A
	How My WRS Benefits Work	Stacy Woita	Ballroom D
	Pre-Installation Inspection on Precast Structures	Jennifer Harrell	Wyoming A
	2022-Yellowstone Emergency Slope Stabilization Repairs	Zach McClellan	Wyoming B
	Built For The Road	Tim Jackson and Gary Champ	Wyoming C
	Benefits of an AgileAssets SaaS Upgrade	Derek Edward	Wyoming D
	Evolution of Plow Blades	Matt Aquino	Sinclair
	UV CIPP / Structure Rehabilitation	Tanner Sorlie	Big Horn
	Payroll – Best Practices & Reminders	Mattie Bray, Kara Poppe, David Hood, Mary Delap	Sheridan

## 10:00 am to 10:50 am

Sessions	The Three Pillars of Servant Leadership	Charles Marshall	Cheyenne
	Intro to WYDOT Utilities with One-Call Refresher	Curtis Olson and Brianne Langdon	Ballroom A
	Fentanyl: Trends that are defining society	Monica Rowan and David Motsick	Ballroom D
	WYDOT Avalanche: Who we are & what we do	Don Lawless	Wyoming A
	US 16 Truck Arrestor / CatchNET System Redesign	Isaac Finkle and Laura Dalles	Wyoming B
	Disciplinary Documentation & Process	Cristina Taylor, Stacie West, Terra Poling, Jenny Sullivan, Ellen Teigen, Keri Long	Wyoming C
	UV CIPP / Structure Rehabilitation	Tanner Sorlie	Wyoming D
	Culvert Lining	Michael Rothenberg	Sinclair
	Smart Work Zones & New Safety Technology	Chad Palmer and Brady Markell	Big Horn
	Contracts 101	Ali Ragan, Ariel Villa, Dalena Phipps, Natalie Crawford	Sheridan

## 11:00 am to 11:50 am

Sessions	Understanding brine & tools to make good decisions	Mark DeVries and Wilf Nixon	Cheyenne
	Supervision & Leadership	Scott Taylor, Mark Ayen, Ralph Tarango, Pete Hallsten, John Eddins	Ballroom A
	Concrete Pavement Repair & Rehabilitation	Whitney Wise	Ballroom D
	Benefits of an AgileAssets SaaS Upgrade	Derek Edward	Wyoming A
	IIJA Discretionary Grants 101	John Davis and Kacey Brown	Wyoming B
	Financial Services – Best Practices & Reminders	Mattie Bray, Kara Poppe, David Hood, Mary Delap	Wyoming C
	Union Pacific Update	Chris Keckeisen and Shane Hargrove	Wyoming D
	Culvert Lining	Michael Rothenberg	Sinclair
	Deicing & Anti-Icing Best Practices	Landon Dipprey	Big Horn
	Toastmasters International	Brian Rentner and Cliff Spoonemore	Sheridan

# Wednesday, April 5

Event	Session	Speaker	Room
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11:50 am to 12:50 pm

Lunch

Ballroom B, C

1:00 pm to 1:50 pm

Sessions	A Birds-Eye View of Drone Use at WYDOT	Justin White, Allen Tharp, Andrew Klingenberg	Cheyenne
	The Photogrammetry & Surveys Section	John Goyen and Robert Alles	Ballroom A
	2022-Yellowstone Emergency Slope Stabilization Repairs	Zach McClellan	Ballroom D
	Pre-Installation Inspection on Precast Structures	Jennifer Harrell	Wyoming A
	How My WRS Benefits Work	Stacy Woita	Wyoming B
	Basics of Deicing	Kyle Brown	Wyoming C
	Focused Approach to Roadway Departure Safety in Wyoming	Tori Brinkly	Wyoming D
	LaRue T80 & Stellar Hooklifts	Jesse McKinley	Sinclair
	FORCE America, Varitech, Precise updates	Bob Puccio and Bob Lowe	Big Horn
	It's a Trap! Section 106 & Bridges	Stephanie Lowe	Sheridan

2:00 pm to 2:50 pm

Vendor Hour *Take a break and see what our vendors have on display – indoor and outdoor. Outdoor displays are located in the east parking lot. Make sure to stop by and speak with the AgileAssets Support Team in Wyoming A.*

Q&A with the AgileAssets Support Team

Cori Hastings, Cole Bostron, Lisa Ayers

Wyoming A

3:00 pm to 3:50 pm

Sessions	Dude, Where's My Detour?	Brooke Allen and Justin Clark	Cheyenne
	VelocityEHS Review	April Patrick	Ballroom A
	Introduction to NeoGov / Learn LMS	Jim Boyd and Amy Bale	Ballroom D
	WYDOT Avalanche: Who we are & what we do	Don Lawless	Wyoming A
	Full Depth Reclamation	Ryan Steinbrenner	Wyoming B
	Built For The Road	Tim Jackson and Gary Champ	Wyoming C
	Plow Blades & Wear Factors: How conditions, location and operations affect blade wear	Gardiner Willis	Wyoming D
	Evolution of Plow Blades	Matt Aquino	Sinclair
	Asset Essentials-Using The Desktop & Mobile Applications	Justin Huntley and Anthony Abeyta	Big Horn
	Toastmasters International	Brian Rentner and Cliff Spoonemore	Sheridan

4:00 pm to 4:50 pm

Sessions	E-Ticketing in Wyoming: The Journey To Construction Materials Digitization & Beyond	Michael Gallant	Cheyenne
	Wildlife Migration Connectivity & Highway Crossings	Will Schultz	Ballroom A
	Adapting GPS Survey & Machine Grade Control for Winter Maintenance	Tim Morton, Eric Anderson, Andrew Klingenberg	Ballroom D
	WyoLink & the new WYDOT radios	Neil Gardiner and Jason Gilmore	Wyoming A
	GIS/ITS/TMC Updates	Vince Garcia and Suzie Roseberry	Wyoming B
	WYDOT-Centennial Woods Snow Fence Partnership	Shea Abbott	Wyoming C
	PCS & STIP Program 101	Julie Newlin, Devon Nelson, Dom Ragan	Wyoming D
	Who Is Right of Way & What Do We Do	Amy Jacoby, Kayla Martini, Harlan Edmonds, Brock Anderson	Sinclair
	Why Change Blades?	Bobby Wakeland	Big Horn
	It's a Trap! Section 106 & Bridge	Stephanie Lowe	Sheridan

# Wednesday, April 5

Event	Session	Presenter	Room
5:00 pm to 5:50 pm	Dinner		On your own

6:00 pm to 9:00 pm	Axe Throwing Event at 307 Hatchet House		3151 Nationway, Ste. A2
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# Thursday, April 6

Event	Session	Presenter	Room
8:00 am to 8:50 am			

Sessions	Effectiveness of the US 89 Jackson South Wildlife Underpasses	Tom Hart	Cheyenne
	Project Development Reintroduced	Jeff Sherman, Jeffrey Griggs, Meadow Ridley	Ballroom A
	A Birds-Eye View of Drone Use at WYDOT	Justin White, Allen Tharp, Andrew Klingenberg	Ballroom D
	E-Ticketing in Wyoming: The Journey To Construction Materials Digitization & Beyond	Michael Gallant	Wyoming A
	Introduction to NeoGov / Learn LMS	Jim Boyd and Amy Bale	Wyoming B
	Wyoming Winter & Wind: The Weather Saga	Jared Allen and Brandon Willis	Wyoming C
	Plow Blades & Wear Factors: How conditions, location and operations affect blade wear	Gardiner Willis	Wyoming D
	Wildlife Migration Connectivity & Highway Crossings	Will Schultz	Sinclair
	IIJA Discretionary Grants 101	John Davis and Kacey Brown	Big Horn
	Recruitment Efforts	Cristina Taylor, Stacie West, Terra Poling, Jenny Sullivan, Ellen Teigen, Keri Long	Sheridan

## 9:00 am to 9:50 am

Sessions	How My WRS Benefits Work	Stacy Woita	Cheyenne
	Supervision & Leadership	Scott Taylor, Mark Ayen, Ralph Tarango, Pete Hallsten, John Eddins	Ballroom A
	Complacency/Safety Ethics	Jerry Fritz	Ballroom D
	Digital Asset Lifecycle Management	Matt Boutcher and Pete Liotino	Wyoming A
	US 16 Truck Arrestor/CatchNET System Redesign	Isaac Finkle and Laura Dalles	Wyoming B
	Intro to WYDOT Utilities w/One-Call Refresher	Curtis Olson and Brianne Langdon	Wyoming C
	Why Change Blades?	Bobby Wakeland	Wyoming D
	Focused Approach to Roadway Departure Safety in Wyoming	Tori Brinkly	Sinclair
	Skidabrader-Pavement Texturing	Josh Newman	Big Horn
	Contracts 101	Ali Ragan, Ariel Villa, Dalena Phipps, Natalie Crawford	Sheridan

## 10:00 am to 10:50 am

Sessions	Fentanyl: Trends that are defining society	Monica Rowan and David Motsick	Cheyenne
	Dude, Where's My Detour?	Brooke Allen and Justin Clark	Ballroom A
	Construction Management System (CMS) Q&A	Duwane Floy, Christina Fisher, Jim Messer, Charlie Bauer	Ballroom D
	Traffic Incident Management & WYDOT	Pete Abrams	Wyoming A
	Concrete Pavement Repair & Rehabilitation	Whitney Wise	Wyoming B
	WyoLink & the new WYDOT radios	Neil Gardiner and Jason Gilmor	Wyoming C
	Smart Work Zones & New Safety Technology	Chad Palmer and Brady Markell	Wyoming D
	Financial Services – Best Practices & Reminders	Mattie Bray, Kara Poppe, David Hood, Mary Delap	Sinclair
	Deicing & Anti-Icing Best Practices	Landon Dipprey	Big Horn
	Disciplinary Documentation & Process	Cristina Taylor and Stacie West	Sheridan

# Thursday, April 6

Event	Session	Presenter	Room
<b>11:00 am to 11:50 am</b>			
Sessions	Adapting GPS Survey & Machine Grade Control for Winter Maintenance	Tim Morton, Eric Anderson, Andrew Klingenberg	Cheyenne
	Yellowstone 500-Year Flood	Leslie Hackworth and Lyle Lamb	Ballroom A
	Full Depth Reclamation	Ryan Steinbrenner	Ballroom D
	Traffic Incident Management & WYDOT	Pete Abrams	Wyoming A
	Understanding brine & tools to make good decisions	Mark DeVries and Wilf Nixon	Wyoming B
	Basics of Deicing	Kyle Brown	Wyoming C
	Current State of Practice: Bridge Railing & Roadway Guardrail in Wyoming	Bill Wilson and Marshall Newlin	Wyoming D
	Effectiveness of the US 89 Jackson South Wildlife Underpasses	Tom Hart	Sinclair
	FORCE America, Varitech, Precise updates	Bob Puccio and Bob Lowe	Big Horn
	Payroll – Best Practices & Reminders	Mattie Bray, Kara Poppe, David Hood, Mary Delap	Sheridan

## 12:00 pm to 1:00 pm

Conference comes to an end – safe travels. If taking the Downtown Trolley Tour, please meet outside in the east parking lot to board trolley. Trolley Tour is from 12:00-1:00 pm

## 1:30 pm to 5:00 pm

Maintenance Tech Meeting	Sinclair
Equipment Meeting	Big Horn
Facilities Meeting	Sheridan



# Time & Expense Charges

## District Construction

Time Reporting Code: BASE or BASEX

Task Group: TRAINING

Task Profile ID: TRAIN1ENGM

Project: TRAIN16

Activity: ENGM

## District Equipment, Maintenance and Traffic

Time Reporting Code: BASE or BASEX

Task Group: TRAINING

Task Profile ID: TRAIN1DSMT

Project: TRAIN16

Activity: DSMT

Reminder – no overtime charges can go to these projects. If you need a Continuing Education Credit Certificate stop by the conference registration desk to sign up for certificate.

# Meeting Topics

## 2022 – Yellowstone Emergency Slope Stabilization Repairs

### GeoStabilization International (GSI)

*Zach McClellan, Alternate Delivery Director/Senior Engineer*

In June 2022, Yellowstone National Park experienced historic flooding – damaging roads, water and wastewater systems, electrical infrastructure, and other critical park infrastructure. To help with reconstruction of the damaged roadways, GeoStabilization International was awarded two emergency design-build contracts for slope stabilization.

The first was on the Old Gardiner Road Bypass at Mammoth Hot Springs, where damage at the Park's North Entrance cut off access to Gardiner, Montana. Approximately 20,000 square feet of pinned mesh stabilized the slope, using TECCO Green G65/3 to help promote re-vegetation.

The second included a build-out of approximately 120 linear feet of roadway at the East Entrance Gates adjacent to Middle Creek where flooding caused erosion of the bank and placed US Highway 14 in Wyoming at risk.

## A Birds-Eye View of Drone Use at WYDOT

### WYDOT

*Justin White, District 4 Survey and Technology Support; Allen Tharp, District 5 Survey and Technology Support; Andrew Klingenberg, District Project Engineer.*

The use of drones is quickly becoming a normal practice for DOTs nationwide. From preliminary inspection & mapping to 3D models for various programs, drones have proved a useful tool for WYDOT. All while promoting efficiency, accuracy and most importantly safety within the department.

## Adapting GPS Survey and Machine Grade Control for Winter Maintenance Operations

### WYDOT

*Tim Morton, District 1 Maintenance Engineer; Eric Anderson, District 1 Laramie Area Maintenance Supervisor; Andrew Klingenberg, District Project Engineer*

Re-opening the mountain passes is a time-consuming and expensive challenge for WYDOT. The integration of new technologies used in other surveying and construction applications has enabled us to expedite the snow removal application with reduced damage to roadway features.

## Asset Essentials – Using The Desktop & Mobile Applications

### WYDOT – Facilities Management

*Justin Huntley, Facilities Program Manager; Anthony Abeyta, Buildings and Grounds Manager*

An introduction to the desktop and mobile applications for tracking and completing facilities related preventive maintenance work orders.

## Basics of Deicing

### SaltWorx, LLC

*Kyle Brown, President*

Basics of how solid and liquid deicers work and benefits of high performance deicers

## Benefits of an AgileAssets SaaS Upgrade

### Trimble

*Derek Edward, Principal Product Manager*

This presentation will highlight the benefits of a SaaS upgrade for WYDOT's AgileAssets enterprise asset management program.

## Built For The Road

### Shur-Tite

*Tim Jackson, Mountain West Sales Representative; Gary Champ, Director of Business Development*

Shur-Tite manufactures products to maximize the visibility of the roadway and increase public safety. The Shur-Tite system consists of three components. These components are independently interchangeable.

## Complacency/Safety Ethics

### WYDOT

*Jerry Fritz, District 5 Safety Representative*

We will be exploring complacency and safety ethics within the work place. Recognize the signs that employees are becoming complacent and how that may affect their safety. Practicing safety ethics, even when no one is around. We will also review the changes to the Safety Shoe policy.

## Concrete Pavement Repair & Rehabilitation

### WYDOT

*Whitney Wise, Concrete and Independent Assurance Engineer*

Methods and strategies to repair, rehabilitate, and extend the life of concrete pavement.

## Construction Management System (CMS) Q&A

### WYDOT

*Duwane Floy, Senior Project Management Analyst; Christina Fisher, Senior Construction Staff Technician; Jim Messer, Senior Construction Staff Technician; Charlie Bauer, Staff Engineer*

Question and Answer any questions or concerns about our CMS application.

# Meeting Topics

## Contracts 101

### WYDOT Grants & Contracts Policy Program

*Ali Ragan, Grants & Contracts Policy Program Manager; Ariel Villa, Grants & Contracts Policy Supervisor; Dalena Phipps, Contract Specialist; Natalie Crawford, Contract Specialist*

Contracting basics: High-level overview of WYDOT's contracting requirements, including when contract review is required and how the Grants & Contracts Policy Program can help.

## Culvert Lining

### Pipe Reline Solutions

*Michael Rothenberg, Territory Sales Manager*

For all culverts 8"-20' ID, whether they're circular, arched, box, or irregularly shaped, we'll discuss at least one fully structural, 100 year design life option for any given project. Some of these culvert rehab products are regularly self-installed by WYDOT and other DOTs across the country.

## Current State of Practice Bridge Railing & Roadway Guardrail in Wyoming

### WYDOT

*Bill Wilson, Architectural and Highway Standards Engineer; Marshall Newlin, Principal Bridge Engineer-Design*

This presentation summarizes the current practice for bridge railing and associated approach roadway guardrail within the State. It will discuss the implementation for guardrail systems meeting the Manual for Assessing Safety Hardware (MASH). It will also discuss maintenance and rehabilitation of our current inventory of bridge rail and roadway guardrail meeting NCHRP 350.

## Deicing & Anti-Icing Best Practices

### Desert Mountain Corporation

*Landon Dipprey, Account Manager*

Best practices for snow and ice removal and mitigation on roadways.

## Digital Asset Lifecycle Management

### Trimble

*Matt Boutcher, Account Executive; Pete Liotino, Business Area Director*

With construction today there are notable gaps between people, processes, and data from the planning and design phases, through construction, and into M&O, resulting in lost data, delays, and costly change orders. These cost taxpayers real money, and it will be even more palpable with the demands placed upon the industry with the once-in-a-generation funding commitment from the federal government to rebuild America's infrastructure. This presentation will highlight the opportunity and value of digitally connecting the full asset lifecycle continuum.

## Disciplinary Documentation & Process

### Human Resources

*Cristina Taylor, Human Resource Manager; Stacie West, Deputy Human Resource Manager*

We would like to review the disciplinary process as well as appropriate documentation

## Dude, Where's My Detour?

### WYDOT

*Brooke Allen, District Traffic Engineer; Justin Clark, Project Engineer*

A brief overview of the construction of the I-25 bridge over Walsh Drive in Casper and related work.

## E-Ticketing in Wyoming: The Journey To Construction Materials Digitization & Beyond

### HaulHub Technologies

*Michael Gallant, Senior Program Manager*

Hear about the journey to successful e-Ticketing implementation from around the nation and how Wyoming can rapidly deploy this technology across the supply chain. Learn how e-Ticketing implementation at scale unlocks previously siloed data to help improve DOT, contractor, and producer coordination, transparency, and safety across the lifecycle of a project.

## Effectiveness of the US 89 / Jackson South Wildlife Underpasses

### WYDOT – Environmental Services

*Tom Hart, Wildlife Specialist*

A summary and results of a 3-year post-construction monitoring study of new wildlife underpasses installed on US 89 south of the town of Jackson.

## Evolution of Plow Blades

### Evolution Edges

*Matt Aquino, Eastern Regional Manager*

A brief history of plow blades and evolving technologies.

## Fentanyl: Trends that are defining society

### Wyoming Highway Patrol

*Monica Rowan, Evidence Supervisor; David Motsick, Evidence Specialist*

Fentanyl: What is it and how is it affecting our society? We take a look at current trends and how to prepare for the oncoming epidemic.

## Financial Services Best Practices & Reminders

### Financial Services

*Mattie Bray, Controller; Kara Poppe, Accounting Manager; David Hood, Accounting Supervisor; Mary Delap, Payroll Supervisor*

Best practices and reminders from Financial Services (accounts payable, revenue, property, inventory, and fuelmaster). Help us help you!

## Focused Approach to Roadway Departure Safety in Wyoming

### FHWA, Resource Center

*Tori Brinkly, Senior Safety Engineer*

Learn how Wyoming became an FHWA Focus State for Roadway Departure Crashes. Understand what opportunities are available to help reduce fatalities in Wyoming due to roadway departure crashes.

## FORCE America, Varitech, Precise updates

### FORCE America

*Bob Puccio, Sales Territory Manager; Bob Lowe, National Sales Manager PreciseMRM*

FORCE America 6100 Gen 5 new features added with latest firmware, Varitech brine making updates, PreciseMRM latest and greatest features added to website.

## Full Depth Reclamation

### WYDOT

*Ryan Steinbrenner, Soils and Surfacing Engineer*

Learn about FDR methods, site selections, designs, and good construction practices.

## GIS / ITS / TMC updates

### WYDOT

*Vince Garcia, GIS/ITS Program Manager; Suzie Roseberry, GIS/ITS Development Supervisor*

The GIS/ITS team will be on hand to talk about 1) the Wyoming Travel Authorization Program (W-TAP), 2) work that is being done with navigation companies and Wyoming counties to minimize county road impacts when WYDOT closes roads, and 3) the TMC's work to provide critical real-time information through improved restricted messaging. We'll allow plenty of time for people to provide feedback and invite comment on the Road Condition Reporting tablets, the Vehicle Inspection Reporting system, the 511 mobile app and anything else that people wish to discuss.

## How My WRS Benefits Work

### Wyoming Retirement System

*Stacy Woita, Retirement Educator*

Providing members with the basics about their Pension and 457 Deferred Compensation.

## IIJA Discretionary Grants 101

### WYDOT

*John Davis, Management Services Manager; Kacey Brown, Management Services Senior Policy Analyst*

The Infrastructure Investment and Jobs Act of 2021 created a variety of new grant categories – many of which are open to cities, counties, and other entities. As a front-line WYDOT employee, mayors, council members, local planners, business people, or county commissioners may ask you what grant funds are available to local governments. HQ may also ask you for information about a local grant possibility. This course will prepare you for those conversations.

## Intro to WYDOT Utilities with One-Call Refresher

### WYDOT

*Curtis Olson, Senior Staff Technician; Brianne Langdon, Utilities Supervisor*

An Introduction to your WYDOT Utilities Department, who we are and what we do. A quick refresher on One-Call, who and when to call.

## Introduction to NeoGov / Learn LMS

### WYDOT Training Services

*Jim Boyd, Training Services Manager; Amy Bale, NeoGov LMS Administrator*

We will discuss the transition from WYDOT's WELL Learning Management System (LMS) to the enterprise LMS, NeoGov Learn. The NeoGov Learn Implementation team should be about half to two thirds of the way through the system configuration, so we should have some ideas of what assigned training and optional training will look like for WYDOT employees. We will also remind employees of the new tuition reimbursement policy changes and the May 1st submittal deadline for Fall 2023 classes.

## It's a Trap! Section 106 & Bridges

### WYDOT, Environmental Services

*Stephanie Lowe, Cultural Resources Supervisor*

This session will be discussing successful bridge mitigation projects. Will also include light education about truss bridges in the state.

## LaRue T80 & Stellar Hooklifts

### Kois Brothers Equipment

*Jesse McKinley, Territory Manager*

We will be giving a presentation on the LaRue T80 Rotary Snow Blowers. Will also give a brief presentation on the benefits and uses of hooklifts.

# Full Agenda

Day	Time	Cheyenne	Ballroom A	Ballroom D	Wyoming A	Wyoming B
APRIL 4	1:00-2:00		Welcome Keynote			
	2:00-2:15		Break – Ballroom C			
	2:15-3:15		Wyoming Highway Patrol Dog Demonstration			
	3:15-3:30		Break – Ballroom C			
	3:30-5:00		Charles Marshall, Motivational Speaker			
	5:00-7:00		Reception / Hors d'oeuvres/Cash bar – Ballroom C			
APRIL 5	8:00-8:50	Construction Management System (CMS) Q&A	Project Development Reintroduced	GIS / ITS / TMC Updates	Procurement 101	Wyoming Winter & Wind: The Weather Saga
	9:00-9:50	The Three Pillars of Servant Leadership	Yellowstone 500-Year Flood	How My WRS Benefits Work	Pre-Installation Inspection on Precast Structures	2022-Yellowstone Emergency Slope Stabilization Repairs
	10:00-10:50	The Three Pillars of Servant Leadership	Intro to WYDOT Utilities with One-Call Refresher	Fentanyl: Trends that are defining society	WYDOT Avalanche: Who we are & what we do	US 16 Truck Arrestor / CatchNET System Redesign
	11:00-11:50	Understanding brine & tools to make good decisions	Supervision & Leadership	Concrete Pavement Repair & Rehabilitation	Benefits of an AgileAssets SaaS Upgrade	IIJA Discretionary Grants 101
	11:50-12:50	Lunch in the Ballrooms B & C				
	1:00-1:50	A Birds-Eye View of Drone Use at WYDOT	The Photogrammetry & Surveys Section	2022-Yellowstone Emergency Slope Stabilization Repairs	Pre-Installation Inspection on Precast Structures	How My WRS Benefits Work
	2:00-2:50	Vendor Hour			Q&A with the AgileAssets Support Team	
	3:00-3:50	Dude, Where's My Detour?	VelocityEHS Review	Introduction to NeoGov / Learn LMS	WYDOT Avalanche: Who we are & what we do	Full Depth Reclamation
	4:00-4:50	E-Ticketing in Wyoming: the journey to construction materials digitization & beyond	Wildlife Migration Connectivity & Highway Crossings	Adapting GPS Survey & Machine Grade Control for Winter Maintenance	WyoLink & the new WYDOT radios	GIS / ITS / TMC Updates
	5:00-5:50	Dinner on your own				
	6:00-9:00	Axe Throwing Event at 307 Hatchet House				
APRIL 6	8:00-8:50	Effectiveness of the US 89/Jackson South Wildlife Underpasses	Project Development Reintroduced	A Birds-Eye View of Drone Use at WYDOT	E-Ticketing in Wyoming: the journey to construction materials digitization & beyond	Introduction to NeoGov / Learn LMS
	9:00-9:50	How My WRS Benefits Work	Supervision & Leadership	Complacency/Safety Ethics	Digital Asset Lifecycle Management	US 16 Truck Arrestor / CatchNET System Redesign
	10:00-10:50	Fentanyl: Trends that are defining society	Dude, Where's My Detour?	Construction Management System (CMS) Q&A	Traffic Incident Management & WYDOT	Concrete Pavement Repair & Rehabilitation
	11:00-11:50	Adapting GPS Survey & Machine Grade Control for Winter Maintenance	Yellowstone 500-Year Flood	Full Depth Reclamation	Traffic Incident Management & WYDOT	Understanding brine & tools to make good decisions
	12:00-1:30	End of conference – safe travels! Lunch on your own or Downtown Trolley Tour				
	1:30-5:00					

# Full Agenda

Wyoming C	Wyoming D	Sinclair	Big Horn	Sheridan	Casper
Recruitment Efforts	Current State of Practice: Bridge Railing & Roadway Guardrail in Wyoming	WYDOT-Centennial Woods Snow Fence Partnership	LaRue T80 & Stellar Hooklifts	Asset Essentials – Using the Desktop & Mobile Applications	<div>Photos</div> <div>Stop by the Casper room during some free time on Wednesday to have your portrait photo taken by Public Affairs Photographers.</div>
Built For The Road	Benefits of an AgileAssets SaaS Upgrade	Evolution of Plow Blades	UV CIPP / Structure Rehabilitation	Payroll – Best Practices & Reminders	
Disciplinary Documentation & Process	UV CIPP / Structure Rehabilitation	Culvert Lining	Smart Work Zones & New Safety Technology	Contracts 101	
Financial Services – Best Practices & Reminders	Union Pacific Update	Culvert Lining	Deicing & Anti-Icing Best Practices	Toastmasters International	
Lunch in the Ballrooms B & C					
Basics of Deicing	Focused Approach to Roadway Departure Safety in Wyoming	LaRue T80 & Stellar Hooklifts	FORCE America, Varitech, Precise updates	It's a Trap! Section 106 & Bridges	
Vendor Hour					
Built For The Road	Plow Blades & Wear Factors: How conditions, location and operations affect blade wear	Evolution of Plow Blades	Asset Essentials – Using the Desktop & Mobile Applications	Toastmasters International	
WYDOT-Centennial Woods Snow Fence Partnership	PCS & STIP Program 101	Who Is Right of Way & What Do We Do	Why Change Blades?	It's a Trap! Section 106 & Bridge	
Dinner on your own					
Axe Throwing Event at 307 Hatchet House					
Wyoming Winter & Wind: The Weather Saga	Plow Blades & Wear Factors: How conditions, location and operations affect blade wear	Wildlife Migration Connectivity & Highway Crossings	IIJA Discretionary Grants 101	Recruitment Efforts	
Intro to WYDOT Utilities with One-Call Refresher	Why Change Blades?	Focused Approach to Roadway Departure Safety in Wyoming	Skidabrader-Pavement Texturing	Contracts 101	
WyoLink & the new WYDOT radios	Smart Work Zones & New Safety Technology	Financial Services – Best Practices & Reminders	Deicing & Anti-Icing Best Practices	Disciplinary Documentation & Process	
Basics of Deicing	Current State of Practice: Bridge Railing & Roadway Guardrail in Wyoming	Effectiveness of the US 89 / Jackson South Wildlife Underpasses	FORCE America, Varitech, Precise updates	Payroll – Best Practices & Reminders	
End of conference – safe travels! Lunch on your own or Downtown Trolley Tour					
		Maintenance Tech Meeting	Equipment Meeting	Facilities Meeting	

# Meeting Topics

## Payroll Best Practices & Reminders

### Financial Services

*Mattie Bray, Controller; Kara Poppe, Accounting Manager; David Hood, Accounting Supervisor; Mary Delap, Payroll Supervisor*

Best practices and reminders from Financial Services. Help us help you!

## PCS & STIP Program 101

### WYDOT

*Julie Newlin, Program Performance Manager; Devon Nelson, Senior Project Manager; Dom Ragan, Project Manager*

Have you ever found yourself saying “Where did this project come from?” or “I just don’t get how these project schedules work”? Spoiler alert, you are not alone! Come and join the PCS and STIP Program to learn about how the Statewide Transportation Improvement Plan is developed, finalized, approved and scheduled for WYDOT! This presentation will include information on ERP, Primavera, project schedules, documentation, project management meetings and WYDOT’s Shelf goals. Be there or be at another presentation!

## Project Development Re-Introduced

### WYDOT

*Jeff Sherman, Design Quality Review Supervisor; Jeffrey Griggs, Project Development Squad Leader/Road Design Manual Co-Chair; Meadow Ridley, Project Development Squad Leader/Road Design Manual Chair*

We are going to discuss the organization of Project Development (using the flowchart), the addenda process for making changes to projects, and the location and information covered in the Road Design Manual. This presentation will be primarily aimed at District personnel and new employees who may not be familiar with Project Development or our procedures.

## Plow Blades & Wear Factors: How conditions, location and operations affect blade wear

### Kueper North America

*Gardiner Willis, Managing Partner*

Not all plow blades are equal and no two operations are the same. There is no magic blade that suits each and every operation, but knowing what factors you have and what issues you have seen can help you better plan for blades that work best in your area.

## Pre-Installation Inspection on Precast Structures

### American Concrete Pipe Association

*Jennifer Harrell, Central Region Engineer*

This presentation introduces the AASHTO R-73 guide. Intended for inspectors in the field and at the pipe/precast plant, R-73 describes the evaluation of new precast concrete pipe, box culverts, manholes and drainage inlets. R-73 gives acceptance and rejection criteria for pipe and precast. Examples of acceptable and rejectable precast products will be shared in this presentation.

## Procurement 101

### WYDOT Procurement

*Nicholas Gronski, Procurement Manager; Aubrie Cotton, Assistant Procurement Manager; Jeff Madden, Storeroom Manager*

Procurement Process and Storeroom Process.

## Q&A with the AgileAssets Support Team

### WYDOT Maintenance Staff – AgileAssets Support Team

*Cori Hastings, Senior Staff Technician; Cole Bostron, Senior Staff Technician; Lisa Ayers, AgileAssets System Administrator*

Come by for your chance to win a Bag of Swag! The AgileAssets Support team will be available to answer questions, discuss system operation, and set up future trainings. Bring your ideas to improve the system, we are the ones involved with AgileAssets system modifications.

## Recruitment Efforts

### Human Resources

*Cristina Taylor, HR Manager; Stacie West, Deputy HR Manager; Terra Poling, Jenny Sullivan, Ellen Teigen, Keri Long Senior HR Associates.*

We would like to present on how to reduce the time from application to hire as well as helpful tips and tricks to streamline the recruitment process.

## Skidabrader – Pavement Texturing

### Skidabrader

*Josh Newman, Western Region Manager*

Worn and polished highway surfaces become slick in wet weather and contribute to hundreds of thousands of injury crashes, including deaths yearly. The Skidabrader™ has the remedy for slick pavement with its high velocity bi-directional surface abrading process.

It promotes surface drainage that allows tires to make contact with new points of aggregate on the existing pavement. The new surface allows water to escape in every direction, creating improved friction results.

## Smart Work Zones & New Safety Technology

### Street Smart Rentals

*Chad Palmer, West Sales Director; Brady Markell, Marketing/Business Development*

What is a Smart Work Zone and how can these systems be incorporated into highway projects and making safer/smarter/data driven work zones. New technology that is available and how these can be used on our roadways. Meeting Topics

## **Supervision & Leadership**

### **WYDOT**

*District Engineers Mark Ayen, John Eddins, Pete Hallsten, Ralph Tarango, Scott Taylor*

The DE's are here to present their philosophy on supervision and leadership styles. This is a presentation the DE's have been presenting in the WY Supervise Practical Leadership training cohorts over the last year.

## **The Photogrammetry & Surveys Section**

### **WYDOT**

*John Goyen, Photogrammetry & Surveys Engineer; Robert Alles, Photogrammetry Engineer*

The Photogrammetry & Surveys Section collects data through a variety of equipment and methods. This data is then converted into mapping files and DTM's that are used by various WYDOT programs. We will discuss the equipment and methods used and show examples of the finished mapping product.

## **The Three Pillars of Servant Leadership**

### **M Power Resources**

*Charles Marshall, Motivational Speaker*

How Developing and Applying a Strong Service Ethic Leads Successful Leadership

All effective leadership must be rooted in a servant mentality! If leaders don't have a firm grasp of the principles and execution of service, then they shouldn't expect to see that ethic manifested in their team. You can't blame the team if the leader doesn't lead! In this upbeat and informative session, attendees will learn about three key, foundational areas that must be demonstrated to have an effectual functional team.

## **Toastmasters International**

### **WYDOT**

*Brian Rentner, Principal Bridge Engineer; Cliff Spoonemore, Maintenance Staff Engineer*

Find out how nearly half a million people around the world are developing their communication and leadership skills. If you're looking for a way to break out of your shell and speak in front of a group like a pro, this is definitely a session you don't want to miss. Sit back and watch, or be a part of the action in this fun-filled extravaganza!

## **Traffic Incident Management & WYDOT**

### **Merge Consulting**

*Pete Abrams, Law Enforcement Liaison to the WYDOT Highway Safety Office*

What is Traffic Incident Management? TIM reduces the duration and impacts of traffic incidents; improves the safety of motorists, crash victims, and emergency responders; and reduces the frequency of secondary crashes. How can WYDOT implement TIM to improve worker safety?

## **Understanding brine & the tools needed to make good decisions**

### **Vaisala Inc & Professional Snowfighters Association**

*Mark Devries, Vaisala Inc. Business Application Manager; Wilf Nixon, Professional Snowfighters Association President*

Salt brine is widely used in winter maintenance. Understanding brine and the different ways it can be used will be discussed. Understanding how and when to use it is vital for success. Knowing its limitations and its ability to be enhanced is vital too. Weather tools and using road weather data is critical to success. We will discuss all of these in this session.

## **Union Pacific Update**

### **Union Pacific Railroad & Olsson Engineering**

*Chris Keckeisen, Union Pacific Railroad Manager of Industry and Public Projects; Shane Hargrove, Olsson Engineering Construction Administration Technician Manager/Rail*

Update on current railroad issues and procedures.

## **US 16 Truck Arrester / CatchNET System Redesign**

### **WYDOT District 4**

*Isaac Finkle, District Construction Engineer; Laura Dalles, Public Relations Specialist*

US 16 Truck Arrester/CatchNET System Retro-fit. Final plans have been completed for the retro-fit of the truck arrester/CatchNET system located on US 16 west of Buffalo. This presentation will touch on the history of the arrester system, the original design specs and what changes are going to be made to improve the system.

## **UV CIPP / Structure Rehabilitation**

### **Subsurface, Inc.**

*Tanner Sorlie, Project Manager*

This presentation will cover an overview of last years presentation on UV Cured in Place Pipe lining. A video of the process in its entirety will be observed and discussed. Joint Repair and void grouting will also be discussed.

## **VelocityEHS Review**

### **WYDOT**

*April Patrick, Safety Management Administrator*

This will be a brief overview of the VelocityEHS system that WYDOT utilizes in relation to Policy 16-2 and incident reporting. To include initial logging in, entering the various incident reports, and mobile accessibility.

# Meeting Topics

## Who Is Right of Way & What Do We Do

### WYDOT-Right of Way Section

*Amy Jacoby, Project Manager; Kayla Martini, Project Manager; Harlan Edmonds, Project Manager; Brock Anderson, Review Appraiser*

Brief description of our department. We will be highlighting on all of the different responsibilities and services that we do and explain the interactions with the other programs, departments and districts.

## Why Change Blades?

### Winter Equipment

*Bobby Wakeland, Territory Manager*

Winter cutting edge systems are engineered to work better and last longer, typically lasting 2-5 times longer than standard carbide blades. That keeps your truck on the road plowing, instead of sitting in the garage having to change or replace blades.

## Wildlife Migration Connectivity & Highway Crossings

### Wyoming Game and Fish Department

*Will Schultz, Habitat Protection Program Supervisor*

Overview of work which been accomplished by WYDOT and WGFD on wildlife migrations, crossings projects, and other related considerations.

## WYDOT-Centennial Woods Snow Fence Partnership

### Centennial Woods

*Shea Abbott, Reclamation Manager*

Discussion of the process, challenges and benefits of maintaining the state's snow fence assets.

## WYDOT Avalanche: Who we are & what we do

### WYDOT-Avalanche Section

*Don Lawless, Avalanche Forecasting Supervisor*

A brief overview of the processes and tools used in highway avalanche forecasting and mitigation.

## WyoLink & the new WYDOT radios

### WyoLink

*Neil Gardiner, WyoLink Manager; Jason Gilmore, Principal Technician*

A description of the WyoLink system, it's features and capabilities. A look at the new WYDOT mobile radios. General communications terms and radio operations.

## Wyoming Winter & Wind: The Weather Saga

### National Weather Service

*Jared Allen, Warning Coordination Meteorologist; Brandon Wills, Meteorologist*

National Weather Service will highlight the saga that is winter and wind for Wyoming from regional winter climatology, science of winter forecasting, winter weather hazard information, impact messaging, travel safety, and the DOT Pathfinder Program. NWS Warning headline statistics of winter storm warnings, high wind warnings, and blizzard warnings will be shown and how decision support services (DSS) is provided to reduce hazard impacts.

## Yellowstone 500-Year Flood

### WYDOT

*Leslie Hackworth, Senior Staff Technician; Lyle Lamb, District 5 Maintenance Engineer*

Multi-agency collaboration to restore access to the Northern half of Yellowstone National Park after a devastating flood event destroyed sections of the roadway.

# Notes

# Notes



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# Notes

## Reception Sponsors

Centennial Woods  
Evolution Edges  
FORCE America  
GeoStabilization International (GSI)  
HaulHub Technologies  
Kojs Brothers Equipment  
Kueper North America  
PreciseMRM

Professional Snowfighters Association  
Street Smart Rentals  
Subsurface, Inc.  
Vaisala, Inc.

## Lunch Sponsor

Visit Cheyenne

## Vendors

3 Barrel, Inc.  
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Black Hills Energy  
Centennial Woods  
Desert Mountain Corporation  
Dustbusters Enterprises, Inc.  
Evolution Edges  
FHWA  
FORCE America  
GeoStabilization International (GSI)  
HaulHub Technologies  
Kojs Brothers  
Kueper North America  
National Weather Service  
Pipe Reline Solutions

PreciseMRM  
Professional Snowfighters Association  
Shur-Tite Products  
Skidabrader Group, LLC  
Street Smart Rentals  
Subsurface, Inc.  
Trimble  
Union Pacific Railroad  
Vaisala, Inc.  
Winter Equipment  
Wyoming Game and Fish Department  
Wyoming Retirement System

# Map





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