

# GENERAL SESSION

## Domestic Terrorism

Special Agent Richard Baltzersen, FBI

The Portland Office of Federal Bureau of Investigation will provide a keynote speaker who will share a description of historical cases of domestic terrorism handled by the FBI with a focus of the impact on infrastructure.

## COLLECTION SYSTEMS SESSIONS

### **Trenchless Pipe Rehabilitation: Do's and Don'ts** (Ron Dick, Paradise Sales & Marketing LLC)

This session will cover the question: Are point repairs your best choice? Discussion will include risk assessment, tools and equipment, and product evaluation.

### **Preparedness Culture** (Les Miller, Square Knot Preparedness Education and Coaching, LLC)

Can we prevent what we are afraid of during emergencies? Discussion will cover first responder safety, awareness, loss prevention, and loss reduction.

### **Gas Detection and Confined Spaces, What You Need to Know** (Greg McDonald, Ritz Safety)

This class will include the maintenance, use, and care of portable gas detection equipment, as well as bump testing, calibration requirements, and OSHA compliance.

### **Phased Assessment Strategy for Sewers (PASS)** (Jim Brown, True North Equipment)

The PASS program introduces a new theory in sewer pipe inspection. This session shows how using less expensive equipment can reduce the cost of maintaining sewer lines.

### **Safety-At-Heights Fall Protection** (Greg McDonald, Ritz Safety)

Greg will cover fundamentals of fall protection, regulations, fall hazard control methods, physics of a fall, anchor points, identifying and selection of equipment, building systems-work positioning, restraint and personal fall arrest, calculating fall distances, suspension trauma, rescue requirements, and equipment inspections.

### **Mitigate Roots in Collections System** (Lloyd "Fuji" Ngariki, City of Eugene)

This class will discuss root blockages and causes in collection systems; root removal tools, tool selection and application. We will watch a video on large diameter root cuts and discuss root removal options and maintenance challenges.

### **Trench and Excavation Safety - Competent Person, OESAC #3438** (Scott Ray, Allwest Underground, Inc.)

This four hour Competent Person Training for Excavation Safety will cover OSHA 1926- Sub Par P Regulations; including specific requirements, soil analysis, and selection of protective systems. This class requires preregistration and a \$25 per person fee. Students will receive a certificate at the completion of this course.

### **Building a Better Manhole** (Lewis Titus, Titus Industrial Group Inc.)

This session will cover the use of modern materials and construction methods to build manholes that will significantly extend the service life of manholes and other below grade structures. We will cover issues with erosion, corrosion, inflow & infiltration, security, as well as heavy traffic loading.

### **Non-Centralized Wastewater Treatment** (Lewis Titus, Titus Industrial Group Inc.)

In this class we will discuss the utilization of your conveyance system, and existing pump stations for pre-treatment for wastewater. We will also discuss lowering maintenance costs related to FOG, H<sub>2</sub>S corrosion, reducing treatment costs at the WWTP, odor control and improving safety for crews.

### **Hydro Excavation** (Eric Lundy, Owen Equipment)

Eric will discuss the basics and safety benefits of hydro-excavation in collection systems.

### **Locate Theory** (Eric Lundy, Owen Equipment)

This session is a review of the basics of collection systems line locating and understanding what's going on underground.

### **What Makes Emergency Response Successful?** (Les Miller, Square Knot Preparedness Education and Coaching, LLC)

Find out what we can do to increase our confidence that our emergency response is going to be successful. We will discuss hazards, vulnerability, risk, plan, and resources for first responders.

### **Introduction to Confined Space** (Bill Buterbaugh, City of Eugene)

Bill will discuss basic procedures for working and identifying confined spaces in collection systems.

### **Submersible Pumps and Preventive Maintenance** (David Olson, Xylem, Inc)

This session will cover submersible pump operation and basic parts, preventive maintenance on pumps, wet wells, and controls.

### **Basic Safety in Confined Space** (Bill Buterbaugh, City of Eugene)

This presentation covers the three main roles of confined space and their responsibilities. We will discuss the unseen dangers and sewer design flaws to watch out for that show up in collection systems. We will also discuss the proper ways to wear and maintain personal protective equipment, and use of an atmosphere meter.

### **BMP Inspection and Operation** (Travis Wolfe, Contech Engineered Solutions)

This training will highlight the operation, inspection, and maintenance of stormwater treatment systems with discussion on CDS, Vortechs, StormFilter, and Filterra.

### **HazMat Awareness** (Tony Jobanek, Oregon T2 Center)

This two hour training is geared toward public works employees who may come across the scene of a hazardous materials or potential terrorist incident in the course of their work. It is intended to provide refresher training for those who have already taken the Hazardous Materials Awareness Course. Awareness level training prepares participants to identify a hazardous materials spill, notify proper authorities, and stay safe until help arrives. This course explains the roles of other response personnel at a hazardous materials or terrorist incident.

### **Pipe Bursting** (Gary Holt, City of Medford)

This session will cover the challenges of pipe bursting and how to set up an in-house pipe bursting program.

### **Temporary Bypass Pumping Systems** (Andy Fitzhugh, Xylem Dewatering Solutions)

We will discuss design considerations for planned and emergency bypass pumping stations in collection systems.

### **Sanitary Sewer Overflow (SSO) Response** (Lloyd "Fuji" Ngariki, City of Eugene)

This class prepares both stormwater and sanitary sewer maintenance technicians of a process when responding to a Sanitary Sewer Overflow (SSO) emergency. Topics covered are; SSO definitions and causes, SSO video simulation, SSO mitigating, clean-up and the regulatory reporting of SSO to Oregon Emergency Response System (OERS).

# STREET MAINTENANCE SESSIONS

## **Road Grader Training** (Kevin Ramsey, Deschutes County)

This will be an offsite and hands-on introductory training on the operations of a road grader. Instructors will demonstrate the operation of a motor grader and techniques for road ditching, shoulder maintenance, and grading gravel roads. If time allows students will get to practice grading.

This 3-part training will be held at an ODOT training site off of FS 41. Students are required to preregister and provide their own transportation for this class. Class fee: \$10.00 per person.

Part 1: Road Grader Safety and Pre-Trip

Part 2: Road / Ditch / Shoulder Maintenance Techniques

Part 3: Gravel Road Maintenance

## **RS-9 Maintenance Math** (Tony Jobanek, Oregon T2 Center / Darrell Randall, Retired)

This is a required class for those in the Roads Scholar Level 1 program. The class is a refresher for public works employees that use basic mathematics to provide solutions for common maintenance problems encountered in the field.

## **Chainsaw Safety Training** (Sean O'Brien, City of Eugene / Cory Shields, City of Eugene)

In this session we will discuss safe chainsaw operation as proper PPE and we will cover basic chainsaw maintenance, bucking, and felling.

## **RS-11 Workspace Safety 1** (Sue Raynor, Oregon T2 Center)

This session is Part 1 of a two-part series covering workplace safety training. Specific topics in this session are: what to expect from an OR-OSHA inspection, hazard communication, personal protective equipment, hearing conservation, blood-borne pathogens, and sleep deprivation.

## **Using Data to Improve Traffic Incident Management** (Nathaniel Price, Federal Highway Administration / Darin Weaver, ODOT)

A TIM program is the systematic, planned, and coordinated use of human, institutional, mechanical, and other resources to shorten the duration and impact of incidents on U.S. roadways, and improve the safety of motorists, crash victims, and incident responders. This innovation focuses on improving the adoption and consistency of the collection of TIM data and increasing the volume of data from transportation, law enforcement, and other responder agencies. Further, this innovation promotes the use of low-cost, off-the-shelf technologies that streamline data collection, so agencies can measure and improve the performance of their programs.

## **ADA-Compliant Sidewalk Ramps** (Jenifer Willer, City of Eugene)

This session will provide City of Eugene practices and examples on how to get ADA-compliant ramps.

## **FHWA Emergency Relief (ER) Program Overview** (Nathaniel Price, Federal Highway Administration)

This presentation will give an overview of the ER program and how to apply when disaster strikes. The Federal Highway Administration's (FHWA) Emergency Relief (ER) program can help State and local agencies fund repairs to roads, bridges, and other infrastructure eligible for Federal-aid. The FHWA wants you to understand the ER program so that your agency is quickly reimbursed for work to restore critical transportation for the public.

## **Asphalt Repair - Code of Practice** (W.R. Bill Bailey, Lakeside Industries)

Bill will cover the Asphalt Code of Practice with an emphasis on state of the art asphalt repair, bitumen-asphalt-road oil and their source descriptions.

## **Conflict Resolution in the Workplace** (Tony Jobanek, Oregon T2 Center)

This session will cover conflict resolution in the workplace with an emphasis on understanding the root causes of conflict. Tony will introduce some of the reasons conflict develops and provide tools for improvement of your own conflict resolution skills. These skills are designed to help you deal with troublesome workplace issues.

**Chip Seal Road Prep** (Tom Shamberger, Albina Asphalt)

Speaker will discuss the importance of selecting the right roads as chip seal candidates and what maintenance activities can be done prior to chip sealing that will help extend the service life of roads to assure that agency chip seals are a cost effective surface treatment.

**RS-10 Introduction to Survey & Grade Checking** (Jim McLaughlin, Retired)

This is a required class for those in the Roads Scholar Level 1 program. The class provides an introduction to basic surveying techniques including measuring, calculating elevations and slope staking.

**Work Zone Critique** (Sue Raynor, Oregon T2 Center)

We will have a short review of photographs and question and answers to common work zone issues. This will be an open forum. We encourage students to bring questions they may have about work zones.

**Best Practices for Crack Sealing** (Greg Sharp, CrafcO, Inc)

This session will cover all the fundamentals of a proper crack seal project.