

STREET MAINTENANCE AND COLLECTION SYSTEMS SCHOOL

November 7-9, 2023 | Tuesday - Thursday

GENERAL SESSION

CASCADIA COMMUNITY PREPAREDNESS

Presented by: Jenny Demaris | Lincoln County Sheriff's Office

Tuesday, November 7th, 9:45 am - Noon

When, not if, the next Cascadia subduction zone earthquake strikes off the coast of northern California, Oregon and Washington, the impacts will be felt across the Northwest. Damage and loss of life will be widespread west of the Cascades, and the effects will ripple far beyond. Public works resources will be stretched to the limit and beyond. We'll explore how public works departments, street, wastewater and water employees can prepare to respond, protect their communities, and move toward recovery.

Stamped CEU cards will be given out at the close of the General Session.

CEU INFORMATION

Attending the full schedule of classes (15 hours) will earn between 1.2 and 1.5 CEUs, depending on OESAC approval.

Visit four qualifying exhibitors, listed on the back of the CEU form, for an additional 0.1 CEU for wastewater certification renewal. These companies will put a stamp in one of the boxes; and all four boxes must have a stamp to earn the extra 0.1 CEU.



Eagle Crest Resort
1522 Cline Falls Road
Redmond, OR 97756

Reservations: 855-682-4786

Rates: (plus 19% lodging tax)

Double Queen \$120

1 Bedroom Suite \$129

Condos: 2 bedroom \$199,

3 bedroom \$230, 4 bedroom \$250

Cutoff Date: Oct. 7, 2023

Sponsored by



Included Meals

TUESDAY:

Continental Breakfast
Morning Snack
Lunch
Afternoon Snack
Evening Social, light
appetizers

WEDNESDAY:

Breakfast
Morning Snack
Lunch
Afternoon Snack

THURSDAY:

Breakfast
Morning Snack

EXHIBITOR SOCIAL

Hosted by Exhibitors & APWA
Tuesday, 5:00 - 6:30 pm



Be sure to visit the exhibitors during this social, as well as on your breaks. You should find this networking opportunity beneficial to your career and in building important interagency relationships.



Appetizers & Drinks Provided

A great networking opportunity!

Save the Date

**Spring School
and
Equipment ROADeo Competition**

March 19-21, 2024

Riverhouse on the Deschutes | Bend, OR

REGISTRATION FACTS

- ⇒ All registrations are done online.
- ⇒ All invoices/receipts are available at the end of your registration or via the link in your confirmation email.
- ⇒ Please register using the students email and the admin or supervisor as the “cc” email.
- ⇒ We accept payment via: Purchase Order, Check, Credit Card.
- ⇒ It is the registrants responsibility to retrieve their own invoice; they are available online 24/7 through the link in your confirmation email.
- ⇒ Please read and know the cancellation, substitution, and refund policies.
- ⇒ Payments are due within 15 days of school registration.
- ⇒ We are offering 1-day registration options and full 2.5 day registrations ONLY.
- ⇒ It is the students responsibility to attain their own lodging. See “Accommodations” on front cover for lodging details. It is the students responsibility to know the hotels payment and cancellation/refund policy.

For more information contact the Registration Coordinator, Peggy McCormick, at cameopeg@gmail.com.

REGISTRATION RATES

<input type="checkbox"/> Complete Workshop, includes:	\$325
Course materials for 2.5 days of instruction: Tue - Thu Up to 1.5 wastewater CEUs Meals: as listed on page 2	
<input type="checkbox"/> 1-Day Workshop, includes:	\$240
Course materials for 1 day of instruction: Tue OR Wed Up to .6 wastewater CEUs Meals: as listed on page 2	
<input type="checkbox"/> 8-Hour HAZWOPER First Responder Operations	\$80
November 8 - 9:15 am - 4:30 pm (5 hours) <u>and</u> November 9 - 8:00 -11:30 am (3 hours)	

Register in 3 Easy Steps!!

Student Name: _____

1. Select options above
2. Select classes on the next two pages (page 4)
3. Register online or pull out completed pages and give to your admin/supervisor to register you.

Register online: <https://cvent.me/m93X0m>

COLLECTION SYSTEMS	STREET MAINTENANCE
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NOVEMBER 7 , Tuesday Afternoon, 1:30 - 5:00 pm

<input type="checkbox"/> What's in Your Inspection Toolbox? (1 hour) <input type="checkbox"/> What's in Your Inspection Toolbox? Demo (1 hour) <input type="checkbox"/> Street Sweeping: Gen. Knowledge & Discussion (1 hour)	<input type="checkbox"/> Combo Sewer & Stormwater Trucks (1 hour) <input type="checkbox"/> Establishing a FOG Program, Start to Finish (1 hour) <input type="checkbox"/> Intro to Sewer Inspection Artificial Intelligence (1 hour)	<input type="checkbox"/> Respirable Crystalline Silica (2 hours) <input type="checkbox"/> Deicer 101 (1 hour)	<input type="checkbox"/> RS-3, Paving Materials (3 hours)
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NOVEMBER 8 , Wednesday Morning, 8:00 - 11:30 am

<input type="checkbox"/> Maximizing Manhole Life & Trenchless Pipe Repair (1 hour) <input type="checkbox"/> 8-Hour HAZWOPER (8 hours)	<input type="checkbox"/> Sanitary Sewer PPE (1 hour) <input type="checkbox"/> Jet Rodder Nozzles (1 hour) <input type="checkbox"/> PPE Assessment for Wastewater Workers (1 hour)	<input type="checkbox"/> RS-13, Advanced Work Zone Traffic Control (6 hours)	<input type="checkbox"/> RS-4, Environmental BMPs (3 hours)
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NOVEMBER 8 , Wednesday Afternoon, 1:00 - 4:30 pm

<input type="checkbox"/> 8-Hour HAZWOPER (continued)	<input type="checkbox"/> Bypass Pumping (1 hour) <input type="checkbox"/> HD CCTV Benefits (1 hour) <input type="checkbox"/> Managing Vegetate Water Quality Facilities (1 hour)	<input type="checkbox"/> RS-13, Advanced Work Zone Traffic Control (continued)	<input type="checkbox"/> RS-5, Asphalt Pavement Maintenance 1 (3 hours)
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NOVEMBER 9 , Thursday Morning, 8:00 - 11:30 am

<input type="checkbox"/> 8-Hour HAZWOPER (continued)	<input type="checkbox"/> Adaptive Pumping (1 hour) <input type="checkbox"/> Safety Procedures for Confined Space (2 hours)	<input type="checkbox"/> Snow Plow Operations (1 hour) <input type="checkbox"/> Heavy Vehicle Snow Plow & Chain Installation (2 hours)	<input type="checkbox"/> RS-6, Asphalt Pavement Maintenance 2 (3 hours)
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COLLECTION SYSTEMS SESSIONS

What's in Your Inspection Toolbox? (Avery Wilson, CUES)

Avery will present a review of the multiple types of inspection capabilities in underground data collecting. We will review ways to document assessments of collections, as well as storm investigation. From utility access points, to mainlines, and their service connections, we will see the whole view of day to day tools available to perform condition assessments. This session is followed by a demo class.

Combination Sewer/Stormwater Trucks (Dan Nelson, Owen Equipment)

This session will be a general discussion of combination trucks and their equipment in regard to sewer and storm water applications. We will go over types of trucks, styles, uses, history and best practices, how they squirt, suck, contain and transport.

Establishing a FOG Program, Start to Finish (Ken Grimm, Western States Alliance)

This presentation will guide attendees through the process of creating a municipal FOG program from start to finish. We will first review why municipal FOG programs exist in the first place and discuss the benefits of operating a thorough program as well as the downside to not having a FOG program in place. We will do a step by step of the entire process and create a small scale mock municipal FOG program with the students.

Street Sweeping: General Knowledge & Discussion (Shawn Patrick, Owen Equipment)

This session will be a general discussion of street sweeping, history and the evolution of the sweeper. We will discuss the different sweeper brands available, sweeper types and what they are used for. This class will cover the best practices for making your sweeper last, basic maintenance and operation questions.

Introduction to Sewer Inspection Artificial Intelligence (Jim Brown, True North Equipment)

This course discusses the use of artificial intelligence software applications. We will discuss what it is, how it works, efficiencies, and if this could be used in your application.

Maximizing Manhole Life & Trenchless Pipe Repair (Doug Troyer, Underground Tech)

Discover essential manhole inspection criteria and effective rehab techniques that significantly extend the service life of structures. Join us for an in-class live demo showcasing the installation process of Trenchless Point Repair, a reliable method for repairing sewer lines.

Sanitary Sewer PPE (Jen Killpack, City of Medford)

This course will go over the proper PPE while working within the sanitary sewer system.

8 Hr. HAZWOPER First Responder Operations (Lloyd "Fuji" Ngariki, City of Eugene)

First responders at the operations level are individuals who respond to releases or potential releases of hazardous substances as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. Some examples of a release of hazardous substance that maintenance staff respond to are sanitary sewer overflows; fuel and oil spill; paint spills and human or unknown chemical waste clean-up from un-housed campsites. This 8-hour training will cover all requirements for the First Responder Operations Level, that includes reviewing the Code of Federal Regulations (CFR) 29 Labor, 40 Protection of Environment and 49 Transportation. Students will learn to use the Emergency Response Guidebook to identify, Hazard Classification, Markings, Labels and Placards, Rail Car and Road Trailer Identification, Shipping Documents, and identifying Hazardous material by United Nations (UN) number of by product name. Students will be able to learn basic hazard and risk

COLLECTION SYSTEMS SESSIONS

assessments through the hazard communication process. We will discuss how to select and use proper Personnel Protective Equipment (PPE), go through the different levels of protection for skin, respiratory, and eye protection. Students will learn how to perform basic engineering control, containment and/or confinement techniques and operations within the capabilities of the resources and personal protective equipment available, as well as, how to implement basic decontamination process and understand the relevant standard operating and termination procedures. Students are required to complete a test at the end of the course to receive a certificate of completion.

Jet Rodder Nozzles (Dan Nelson, Owen Equipment)

This session will be a general discussion of Jet Rodder nozzles for sewer and storm water applications. We will go over different styles of nozzles and the best uses for the different types available. The technological advancement of the nozzle industry will also be discussed.

PPE Assessment for Wastewater Workers (Elena Estrada, Clackamas Co. WES)

This course will provide information on Personnel Protective Equipment (PPE) identification and assessment for wastewater workers. It will identify tasks and environments in which PPE is necessary in the wastewater industry, and how to determine the level of protection needed.

Bypass Pumping (Don Ehly / Mitch Larson, Xylem Dewatering)

We will be talking about bypass pumping and how to be successful. We will discuss questions that need to be answered prior to setting up a bypass system. We will also discuss what some of the pitfalls to watch for are. This will be an open discussion and questions will be welcomed.

HD CCTV Benefits (Joe Newvara. Rausch Electronics / Pat Kuhnau, General Equipment)

We will go over the changing of technology to HD. We will show comparison of standard to HD imagery. After, we will take the class to the actual equipment.

Managing Vegetated Water Quality Facilities (Tony Gilbertson, Clean Water Services)

Water quality facilities are critical components to stormwater systems. These facilities are inspected to ensure they are constructed according to approved plans, but what do you do with them once they are constructed and projects are finished? This session will focus on long term management, including what to look for in terms of inspection, common problems and how to maintain vegetated water quality facilities.

Adaptive Pumping (Dave Olson, Xylem)

Owning a pump station is costly. In this class we will look at how to bring new control products and pumps together for a better approach to modern trash in wastewater to reduce overall cost. We will talk about being proactive instead of reactive maintenance, which reduces overall cost. We will discuss updating out of date pump stations with these new technologies.

Safety Procedures for Confined Space (Bill Buterbaugh, Oregon T2 Center)

This class will cover how to safely enter sanitary man holes and vaults as a team. Students will learn confined space requirements for entrant, attendant and entry supervisors per OSHA OAR 437-002-146 Confined Spaces. We will also discuss common gas hazards in confined space and industry.

Disclosure: We make every effort to publish accurate information. The program is still being developed in some areas and may change from what is published in this flyer.

STREET MAINTENANCE SESSIONS

Respirable Crystalline Silica (Douglas McLain, Clackamas County Bridge Maintenance)

Course will discuss the dangers of silica exposure, the current OSHA requirements, and the methods and equipment for preventing exposure. Crystalline silica dust can be found from cutting concrete bridge approach or sanitary sewer concrete pipes for sewer repair.

RS-3 Paving Materials (Tony Jobanek, Oregon T2 Center / Darrell Randall, Retired)

This is a required core class for those in the Roads Scholar Level 1 program. Introduction to key properties of aggregates and the various binders available in order to produce good paving material. Must attend all hours for credit.

Deicer 101 (Scott Rattay, ODOT)

We perform winter maintenance to provide safety and mobility on the highway system, while having minimal impact on the environment. Deicers play a critical part of the winter maintenance toolbox, helping us achieve our level of service goals faster and more efficiently. This session will cover topics such as why we use deicers, how they work, application decision variables, and best management practices that minimize impacts and improve results.

RS-13 Advanced Work Zone Traffic Control (Tony Jobanek, Oregon T2 Center)

This is a required class for those in the Roads Scholar Level 2 program. The class covers traffic control regulations, traffic control principles, traffic control devices, traffic control plans, evaluation of traffic control plans, flagging requirements and legal consequences.

RS-4 Environmental BMPs 1 (Janet Oatney, Retired)

This is a required core class for those in the Roads Scholar Level 1 program. Class covers an overview of Best Management Practices available to minimize the impact of maintenance activities on water quality. Must attend all hours for credit.

RS-5 Asphalt Pavement Maintenance 1 (Darrell Randall, Retired)

This is a required core class for those in the Roads Scholar Level 1 program. Class material covers the types of asphalt pavements, the causes of pavement distress and then introduces and discusses the key properties of the aggregates and binders required for good paving material. Participants will learn the best practices for pavement corrective maintenance including inlay, blade, machine patching and crack filling. Must attend all hours for credit.

Snow Plow Operations (Joe Pekkola, Clackamas County)

In this class, we will be discussing basic snow plow operations techniques and snow removal. The speaker will also talk about equipment maintenance during winter ops to minimize down time and how to plow intersections and round-a-bouts.

RS-6 Emergency Preparedness & Response (Tony Jobanek, Oregon T2 Center)

This is a required core class for those in the Roads Scholar Level 1 program. The class material reviews the types of asphalt pavements and the causes of pavement distress and then presents pavement preventive maintenance alternatives such as fog seals, slurry and chip seals. Must attend all hours for credit.

Heavy Vehicle Snow Plow & Chain Installation (Eric Wilson, ODOT Fleet Technician)

In this session, we will discuss how to correctly install snowplows, wing plows and chains on a vehicle for winter operations. Students will learn to tell when chains should be used and when to remove them and how to safely assist others with chain installation and removal. Learn how to make sure you are ready for a winter event.



Oregon Technology Transfer Center

555 13th Street NE, Suite 1

Salem, OR 97301-6867

The **Roads Scholar** program consists of maintenance related training sessions offered by the Oregon T2 Center. Level 1 includes ten core classes, RS-1 through RS-10, four hours each, and the Level 2 program includes eight core classes, RS-11 through RS-18, six hours each. More information about the **Roads Scholar** program is available by visiting the T2 Center website at: www.oregon.gov/odot/tdlfp_t2. For questions, please contact us by email at T2Center@odot.state.or.us.