

7:30–8:30AM REGISTRATION & BREAKFAST

8:30AM START

## Welcome

**Bud Starker**, Mayor (City of Wheat Ridge, MHFD Board Chair)

## Navigating Beyond the Grind

**Laura Kroeger**, Executive Director (MHFD)

Factors beyond our control are ever-present. Hear stories of community building and passion projects despite a seemingly endless to-do list.

## Climate Change and the Future of Extreme Weather in Our Region

**Drew Roberts** (MHFD)

Understanding what climate change means in the semi-arid west and what resources are available, is the first step in mitigating impacts.

## The Future of Forecasting

**Bruce Rindahl** (MHFD)

MHFD has developed a new modeling framework to systematically compute all effective hydrology studies. This will be used for design hydrology, validation of actual events, and use precipitation forecasts to predict possible flooding in near-real time.

## Confluence Update

**Jon Villines** (MHFD)

MHFD Confluence is a tool for all of us. This presentation highlights what we've accomplished and where we're going.

9:45–10:15AM BREAK

## Safety Grate Update for Small Pipes and Culverts

**Holly Piza** (MHFD)

Small pipes are where injuries and deaths happen most frequently. This presentation provides an update to the safety grate study conducted at the CSU Hydraulics Lab.

## Safety Grate Lessons-Learned at Little Dry Creek in Englewood

**Jeff Battiste & Holly Piza** (MHFD)

Where competing public safety concerns exist, public agencies and engineers need to evaluate the impacts of all potential hazards to find a solution.

MHFD  
MILE HIGH FLOOD DISTRICT



# Annual Symposium Agenda

MAY 22, 2024

## Celebrating Together – How WE Innovate Design Through Water Quality Criteria

**Candice Owen** (MHFD)

A engaged group of stakeholders can shape the way we think about design. As we celebrate newly updated design criteria, we are looking ahead to the next step.

## Observations from the Field

**Jeff Fisher** (MHFD)

Connecting design to construction, a seasoned construction manager shares lessons from field experience.

## What Makes a Project Champion

**Jesse Clark** (Stream Landscape Architecture)  
& **Bao Chongtoua** (MHFD)

Project champions make great projects happen. This presentation examines the skills and commitment needed to be a project champion.

## Friend of the District Award

**Award Recipient: Barbara Biggs**, honored for her many accomplishments and dedication to public service.

12:00–1:30PM LUNCH



## A Project Champion for Veteran's Memorial at Riverdale Regional Park

Byron Fanning (Adams County)

Great projects require commitment. This project demonstrates what that commitment looks like from funding to close-out and beyond.

## Designing for Maintenance in Bioretention Systems

Brik Zivkovich (MHFD)

This presentation summarizes observations from a regional study of bioretention systems and connects operations and maintenance findings to new design criteria.

## The Cost of Short-Sightedness: A 20-Year Development Journey

Andy Stewart (MHFD)

Learning from past decisions in design, this presentation delves into the true cost and consequences of some of our design assumptions and the importance of good criteria.

## Improving Flood Warning with Real-time Sensors

Jennifer Winters (MHFD)

Hear about the steps we take to understand critical threats and improve safety when a flood-related loss occurs in our region.

## The Pursuit of Happiness in Happy Canyon Creek

Jim Watt (MHFD)

This stream reclamation project was recently completed by MHFD and partners. Hear our lessons-learned in the design, permitting and construction process.

2:45-3:15PM BREAK

## Beyond the Floodplain – Exploring Rain-on-Mesh

David Anderson (MHFD) & Geoff Uhlemann (Michael Baker)

This presentation explores what we've observed in piloting rain-on-mesh and what possibilities may exist going forward.

## Fluvial Hazard Zones: Another Tool in the Risk Management Toolbox

Derek Clark (MHFD)

Studies on fluvial hazards offer an alternative perspective on traditional flood risk, equipping stakeholders with crucial other information to help navigate the complexities of flood hazards and risk management.

## Good to Great: 50 Years of Capital Projects

Dave Skuodas (MHFD)

MHFD's Construction Fund was established in 1974 to create a consistent funding source for capital improvement projects. This presentation will share some interesting history, lessons learned, and where we hope to go from here.

4:30PM ADJOURN

## View MHFD Resources & Links

Use your phone camera to scan the QR code below.

