

# COP CHRONICLE



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## BUTTE TIFID II Sewer Project Butte, Rocker, and Silver Bow, Montana

The Butte TIFID Project, owned by Butte-Silver Bow Public Works, began in June, 2011. Ed Allen was the Project's estimator. Doug Teller is the Project Manager and Superintendents are Greg Schied and Larry Riddle, with special assistance from Joe Dolan and Tye Schulz.

The Project Engineers are Dowl-HKM, represented by Kevin Johnson and Joel Friedt, and Pioneer Technical Services, represented by Mike Borduin and Peter Lacey. The current value of the Project is approximately \$5,000,000.

The Project was divided into two major fronts: the extensive pipe work and the lift stations. Greg Schied supervised the pipe work while Larry Riddle handled the lift stations and all other support work. The pipe work entailed 39,000 LF of force main sewer with air vac manholes and 11,000 LF of gravity sewer and manholes. Two significant deep lift stations presented a mix of deep excavations, cast in place concrete, individual precast wet well structures, pre-packaged steel lift station structures, yard piping, mechanical piping, and electrical work.

One of the most challenging aspects of the pipe work was the chosen alignment path of the nine mile long pipeline and the 12 jack-and-bore steel casings that were required to continue past obstacles. The sewer line routed under highways, railroads, overpass bridges, a slag wall, and creeks. Three different railroad companies (BNSF, Union Pacific, and Patriot/Rarus) had permit issues governing our work. Coleman Construction performed the jack and bore work for COP.

Photos by Doug Teller



Deep foundations and lower structures at Lift Station #1.



Lift Station #1 structures and interconnecting yard piping.



Completed Lift Station #1.

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*From the desk of the President –*



It appears that the challenging economic times are the new norm. In other words, we should anticipate that the economy will improve at a slow rate but continue to be a challenge for the foreseeable future. Therefore, it is important that we deal with the situation at hand and not wait for things to get better.

In these uncertain times, it is important that we practice and perfect the actions that are under our control. Having mastered the actions that are under control allows you to have more resources available to concentrate on the unanticipated items when they occur. If you have not perfected the actions under your control and are still struggling to manage these actions, this leaves fewer resources for the unanticipated.

I believe consistency is absolutely critical in both good and bad times. It is important to establish the best way to do something and stick with it. By learning the basics in a consistent manner, the implementation of the event becomes secondary, so we can concentrate on other items beyond our control.

I believe in most cases, individuals/companies control their own destiny. When an individual/company has the “victim attitude” where they believe factors beyond their control determine their success, that attitude is a formula for disaster. I believe bad luck is synonymous with the “victim attitude”. Everyone experiences the same amount of good and bad luck; it is what you do with the luck that makes the difference. Good leaders deal with bad luck and produce the best results possible. Good leaders use difficulty as a catalyst to improve purpose, recommit to values and increase discipline. Good leaders take advantage of good luck and execute on it. Good leaders assume they will get their share of bad luck and prepare ahead of time. I believe that resilience, not luck, is the signature of greatness. As Fredrick Nietzsche once wrote, “What does not kill me makes me stronger.”

With these challenging times being before us for the foreseeable future, it is important that we develop the discipline to both set and reach our goals with great consistency. By being disciplined and consistent, we build confidence in our team that can help exert self control in an out of control environment. Let’s all work hard towards getting back to the basics that have made COP the successful company that it is. I am confident that if we perfect the items under our control, we will be able to successfully handle the unknown challenges that we will face. This, along with the efforts and dedication of our great employees, will continue to make us the best of the best.



## MEET THE FACES of COP



From 1999 to 2004, Greg Schied was a Foreman for COP. He returned to COP in June of 2009 and is currently a Superintendent on the Butte TIFID Project.

A Billings native, he spent six years in the Marine Corps. Greg and wife, Amanda, are the parents of four children, two of whom are Marines, and have one grandson. Greg and Amanda enjoy spending time with their children and spouses, and grandson, as well as gardening and traveling. Greg is an avid gun collector and also likes to cook.

Nicholas Brown started at COP in April of this year as a Laborer at the ExxonMobil Refinery and Cenex Refinery. As of December, he is the Field Safety Coordinator at the refineries.

Nicholas enjoys bird hunting, big-game hunting, riding 4-wheelers, traveling, and spending time with family and friends. He and wife, Nyssa, live in Laurel. Nicholas is currently studying Process Technology and will receive his diploma in May of 2012 through Bismarck State College.

Says Nicholas, "The past nine months have been a great opportunity for me. COP has provided the many tools I need to succeed both in my career and in my personal life. I'd like to thank all those who have worked with me and have helped to train and teach me everything I need to know."



Beginning in August of this year, Sherman Faulkner, Field Safety Coordinator, works out of our Utah office. He has 26 years of construction experience, including 10 years in the safety area.

Sherman and wife, Donella, have four children - twin son and daughter, McKenzie and McKecia, and sons, Derrick and Sherman Jr. Sherman says he enjoys bowling, golfing, and anything outdoors.

He adds that he is proud to be a part of the COP family.



Mike Huff, Safety Compliance Coordinator, began at COP in July of 2005. Mike has a Master's Degree in Safety, Health and Environmental Management, is a Certified Safety Professional, an authorized OSHA 10 and 30 Hour Construction Safety instructor, and a National Registered Emergency Medical Technician. He has over 30 years of experience in mining, logging and construction. Mike is a volunteer with the Park City, MT Volunteer Ambulance Service.

As owner of Elaine's Custom Quilting, wife, Elaine, has not only made quilts to sell, but has also donated her quilts to the Wounded Warriors and breast cancer patients. Son, Greg, is a Business Major at Montana State University-Billings; he also owns a paintball business through which he has raised funds for various charitable organizations in the area.

(picture unavailable)

*YEARS OF SERVICE* ♦ ♦ ♦ *CONGRATULATIONS!!*

July	
Debbie Holmes	5
Larry Riddle	8
Harold Stewart	9
Ryan Stansfield	13
August	
Jeff LaBard	4
Justin Tomison	5
Josh Pearson	6
Kim Hope	8
Mark Rieker	20
Ed Allen	38

September	
Dan Vogt	9
October	
Don Hayes	3
Jade Lee	6
Jasen Bennie	6
Kathy Thorson	8
Justin Biehl	9
George Werhonig	12
Tom Kittson	20
Tracy Kaercher	20

November	
Kelly Newman	4
Celso Holguin	6
Sam Vaitai	6
Ed Bedell	14
December	
Barry Benke	4
Betty Warner	13



***RIDING INTO THE SUNSET***

As some of you may know, I will be retiring at the end of January. In fact, my last day at work will be February 3, 2012. I wanted to take this opportunity to say thank you, stay safe and adios. I have worked in the COP Construction Safety Department since the spring of 2003. And over the past 10 years, we have introduced a number of changes in our approach to work place safety. I believe these changes have improved our safety program and our company's safety culture.

Despite some rough starts (I think back to my first meetings with Ryan Stansfield, Roger Ross and John May), I believe our approach to safety has been well received and most of our goals have been met. I want to thank all of you for your patience and acceptance of our safety programs and ideas. Without your support, I don't think it would have worked.

Now it is time for me to ride off into, hopefully, quiet retirement and try my hand at a little fishing and golf. It is also time for some fresh ideas to continue to improve COP's safety program. To that end, Mike Huff and Sherman Faulkner will assume the reins of the Safety Department as of February 4. Mike will be responsible for safety support and assistance for the Montana Operations and Sherman will be responsible for the Utah Operations. Both will share safety support for COP Wyoming LLC.

In closing, I wish you all success in your projects as you go forward. And always remember that success means working smart and safely to protect yourselves, your co-workers and your families.

Thanks for the ride.

Chris Cull, Safety Manager



Of special note is the Silver Bow Creek work area, part of the nation’s largest Superfund site thanks to the presence of mine tailings and other wastes from Butte’s past. The Project called for the sewer force main to be laid directly through the newly restored Greenway corridor surrounding Silver Bow Creek. A 30” casing was bored under the creek, with two other bored casings under two different railroads at each side of the 700’ wide corridor. Our crews persevered through numerous dewatering, space constraint, and soils challenges to complete the system in this area to the satisfaction of DEQ and other agencies.

Other challenges included extensive rock excavation, laying triple-barrel force main (14”, 8”, and 2” together in the same trench) through Army Corps of Engineers permitted wetlands, and a tie-in to the live 48” wastewater treatment plant influent line. The guys on Crew #2 will definitely never look at a meat packing plant the same way, after running sewer along the front steps of one on Santa Claus Lane.

The lift station work included multiple crane visits from Hogan Crane of Bozeman to set the various components of precast structures and the pre-packaged lift stations themselves. The heaviest pieces were a 63,000 lb Pig Launcher Vault base and the 65,000 lb Lift Station #2 structure. A special polyurea coating applied by a subcontractor will line all the wet wells of the lift stations.

The Project will be completed in the Spring of 2012 when COP and our Subcontractors return to complete the remaining electrical work, the remaining lift stations work, and startup of the facility.



COP concrete crew pouring deep slab foundations for Lift Station #2. Photo by Doug Teller



Lift Station #2 wet well, Pig Launcher Vault, and steel lift station structures. Photo by Doug Teller



Lift Station #2 completed to surface. Photo by Doug Teller



Mechanical piping inside Pig Launcher Vault. Photo by Doug Teller



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Crew #1 in overland portion of 14" force main.  
Photo by Greg Schied



Crews #1 & #2 approaching the connection point of the two halves of the job.  
Photo by Greg Schied



Crew #1 laying triple-barrel force main through wetlands.  
Photo by Doug Teller



Crew #2 south of Rocker on a crisp fall morning.  
Photo by Greg Schied

BUTE TIFID II SEWER PROJECT